Building Façade Repairs

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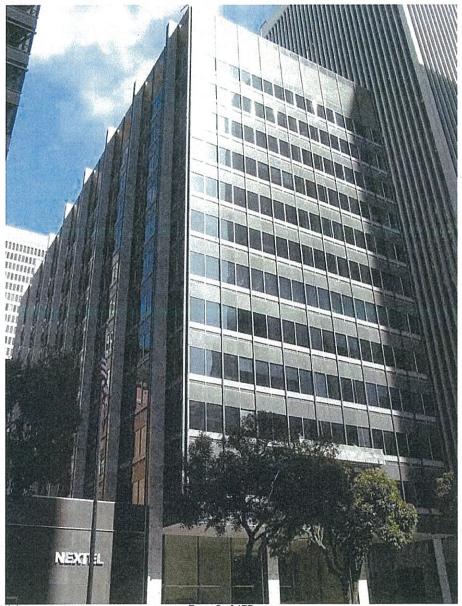
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SECTION 1 - Categorization

This report will document a pilot study undertaken by Broadway Real Estate Services LLC, hereafter known as the building "Owner" to evaluate the self-implementing on-site cleanup and disposal option of Title 40 § 761.61, PCB remediation waste. The structure of this document is based upon electronic Code of Federal Regulations (copy attached).

1.01 Applicability

100 California is a 14 story building constructed in the 1960s. The building is occupied and is surrounded by paved surfaces with the exception of eight planters on the east (6) and south sides (2) of the building. Exterior finishes for the first floor of the main building are glass with columns clad in marble and granite. Exterior finishes from the second floor 25' and above are glass, stone (primarily white and black granite) with miscellaneous metal appurtenances (see photo). Exterior finishes for western low rise building are granite.



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2.0 Site Characterization

2.01 Bulk Caulk Samples

TABLE 1 - Bulk Caulking Sampling Data: B etween the months of May and June of 2 009 a total of 68 bulk caulking samples were collected from the subject building. Samples were collected across all elevations of the building. The results of this testing indicated that caulking containing PCBs (Aroclors 1254 and 1260) was used to seal the joints between exterior granite panels, marble panels, metal panels and metal mullions. The caulking is presently intact and remains adhered to the building. The total estimated amount of caulking is 1 24,647 linear feet. Assuming the caulking covers approximately ½ inch on a cross the face of a granite, a marble or a metal panel an overall square footage of cleanup area of roughly 5,200 square feet is estimated. Table 1 provides a summary of the bulk sampling data. All sample s were transferred under chain of cust ody to McCampbell Analytical, Inc. Samples were analyzed using EPA method 8082. Sampling results are in the attachments.

PCB concentrations for the first floor range d from n on-detect (ND) to <10 0 parts per million (ppm), and for the second floor and above from approximately 12 ppm to 38,000 ppm for stone to stone and stone to metal surfaces. The maximum caulking concentration (189,000 ppm) measured was on metal to metal panels located under the windows. The caulking on the upper floors was predominately black, while that on the ground floor was white / black in color. PCB caulking will be removed from building finishes and the metal will be re-caulked with non-PCB caulking. Metal is considered non-porous and will not be discussed further.

2.02 Planter Soil Samples

Table 2.0 - There are seven shallow landscaping planters approximately four feet by four feet in size along the east side of the building. There is one larger planter approximately four feet by twelve feet at the southern end of the building. One 3 point composite soil sample was collected from seven of the eight planters as follows: diagonal corners and at the approximate center line of the diagonal. Planter #1, the larger planter, was sampled twice in an X pattern. Sample depth was the first four inches of soil, which were composited and transferred to McCampbell Analytical under chain of custody. The result of testing indicated that the second planter at the southeastern corner of the building had concentrations of Aroclor 1254 at 1.1 ppm. Six of the other planters also had detectable concentrations of either Aroclor 1254 or Aroclor 1260 ranging from 0.10 - 0.44 ppm.

At the direction of EPA a single sample was collected from each planter for a total of eight samples. The results of this testing indicated the presence of Aroclor 1254. Sample concentrations ranged from 1.0 to 39 ppm for the tests (See drawing associated with Table 2.0 for sample locations). The owner will remove the top layer of soil (6") or all soils from the affected planters and / or replace with clean soils as needed so that "No Further Action" is required.

2.03 Pilot Study:

On September 29, 2009, in order to determine the amount of residual PCB's remaining in stone finishes following a typical envelope repair, a pil of study was undertaken by Urban Water Pro ofing with the assistance of their subcontractor Restec Environmental. The pilot study entailed the removal of PCB caulking, surface grinding of exposed edges, followed by alcohol cleaning of stone interfaces to remove loose debris. After this surface preparation and prior to the replacement of caulking, representative stone chip and surface wipe samples were collected as follows:

- A. A total of 22 sampl es were collected across two elevations of the building by Urban Waterproofing and Restec. The sample results are reported in Table 3.
 - 1. Table 3.0 Nine (9) stone chip (granite and marble on the first floor and granite on upper floors) samples of building fini shes were collected by Urban Water Proofing for the purp ose of PCB extraction and analysis. All samples were analyzed by McCa mpbell Analytical, Inc. using EPA method 8082 (see Table 3.0). Samples were collected from stone panels in contact with caulking on the 1st, 7th, 11th 12th and 13th floors. Analysis of the stone chips at the ground floor revealed < 0.79 ppm detectable levels of PCB Aroclor absorbed into the edge of the stone. Chip samples collected from upper floors indicated concentrations ranging from < 0.50 ppm to 5.4 ppm¹.
 - 2. **Table 3.1** Nine (9) wipe samples were collected by RGA following Standard Wipe Test method for PCBs, 4 0 CFR 761.123. For all wipe test areas there was no detectable PCB Aro clor residue accumulated on the stone surfaces following prep-work² and cleaning.
 - 3. **Table 3.2** Three (3) grout samples collected by Ur ban Waterproofing and Restec indicated PCB concentrations within the cement grout³ at 29.36 ppm. As the grout will be completely removed and properly disposed of it is not discussed further as part of this report.

2.04 Testing Results Summary

- A. Table 1 Bulk Caulking samples collected across all elevations of the building indicate the caulking on the first floor of the building was different from upper floors both in color (dark gray/white color) and PCB concentration. Caulking on second floor, which be gins at 25' vertical feet a bove the first floor of the building, is black. PCB concentration for the dark gray/white caulking ranges from non-detect to 150 ppm. PCB concentrations for the black caulking range from 13 ppm to 38,00 0 ppm with an average concentration of 4,900 ppm.
- B. **Table 3.0-** Chip testing indicated that over the previous 50 years, stone surfaces have absorbed relatively small amounts of P CBs from caul king. Residual PCBs within building finishes were measured at < 0.79 ppm at ground level, while upper floors had concentrations ranging from < 0.05 ppm to 7.32 ppm (at a 95% confidence level see Section 4.0 Cleanup Levels yellow).
- C. Table 3.1- Approximately 100 cm² of the exposed surface area between the panels was wipe-sampled by RGA using the Standard Wipe Test protocol with hexane as defined in 40 CFR 761.123. Wipe samples were collected following surface preparation. The results of wipe sampling for all test areas indicated no detectable levels of PCBs for any of the samples collected.

¹ 95% Confidence based upon the sample set - 8 solid samples with ND results marked up to detection limits.

² Caulking is removed via razor cutting. Surfaces are prepared via grinding.

³ Grout is between white granite sheathing under windows

3.0 Notification and Certification

The requirements under this program require at least 30 days prior notification to the agency(s) that the cleanup of the site is beginning. This notification is given by the person or organization in charge of the cleanup or the property owner of the PCB remediation waste site. This notification was done by the owner in September, 2009. The agency(s) are the following:

- US Environmental Protection Agency Regional Administrator Region 9 Jared Blumenfeld
- Department of Toxic Substances Controls
- Bay Area Air Quality Management District

This notice included the following information:

3.01 Nature of the Contamination

The nature of the contamination is caulk that was used to fill in the seams between metal and/or stone panels on the sides of the building. These caulking materials contained PCBs at varying concentrations. Small amounts of the PCBs may have leached into the unfinished edges of the stone panels causing very low level contamination of this stone material. Testing of planters at the front of the building indicated a 1.1 ppm concentration of Aroclor 1254 within one planter at the southeast corner of the building.

3.02 Summary of Procedures Used to Sample Contaminants

The procedures used to sample and characterize the contaminants are identified in Section 2.0 of this document and are comprehensive in nature. A table of the contaminant concentrations and a location are attached to this document. All sample collection information, locations and dates of sampling are noted in those documents. The pilot study done to document the extent of contamination is detailed in Section 2.0.

3.03 Locations and Extent of Identified Contaminants

The information requested for this section is located in Section 2.0 of this document. All relevant data that has been collected and characterized are in that section. Further details of pertinent information are included in previous documents submitted to the agencies for review. Additional materials that may be requested or needed will be provided to the agencies upon request.

3.04 Cleanup Plan and Schedule for the Site

This information is in Section 5.0 of this document and references all of the practices and procedures that will be followed by the property owner, the prime contractor and the sub-consultants and prime consultants working on this project.

3.05 Written Certification of Compliance

This section designates that all documents, including, but not limited to, sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, analytical procedures and other ancillary documents are filed at a location on the cleanup site and are available for review with proper advance notification by EPA and other designated regulatory authorities. This certification shall be signed by the project manager, prime contractor and the property owner and a copy will be kept with the documents. Electronic documents may be substituted at the discretion of the EPA and other regulatory agencies.

> The EPA Regional Administrator has 30 calendar days to respond to the notification by the owner, either approving or denying the request for the self-implementing cleanup. If the EPA administrator does not respond within the time period, the owner submitting the application may assume that it is complete and acceptable and proceed with the cleanup according to the work plans in place. Once the cleanup is underway, the owner will provide written notification of any proposed changes to the cleanup plan to the

- EPA Regional Administrator no later 14 calendar days prior to implementation of the changes. If the administrator is not in agreement with the proposed changes, they will respond verbally within 7 days and in writing within 14 calendar days.
- > The owner may obtain a waiver to the 30 day notification period requirement if they receive a separate waiver in writing from each agency that they are required to notify. All documents pertaining to these sections shall be kept on file or electronically with EPA approval at the cleanup site location.

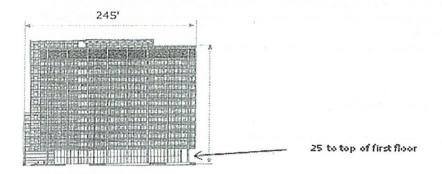
4.0 Cleanup Levels

The building entrance is defined as a high occupancy area under the regulations. Residual PCBs within finishes in this area were mea sured at < 0.79 pp m and thu s meet cle anup levels with out further action. Exterior granite finishes on u pper floors ⁴ are lo w o ccupancy u nder t he regulation and h ave residual concentrations of PCB containing material of < 5.5 ppm, which meets the current cleanup levels for I ow occupancy areas requiring no further action. Using the same testing results and assuming a 95% confidence limit for the upper floors a concentration of 7.32 ppm is calculated (see below). This concentration also meets the current cleanup levels for low occupancy areas requiring no further action.

These results are consistent with the guidance given in CFR 761.62 and there is no scientific or professional reasoning to deviate from those regulatory limits for this project, especially in light of the pilot study.

TABLE 3.0 Pilot Study Stone PCB Sampling Data indicating residual PCB materials remaining within building finishes at the 68% and 95% confidence level - See attachments for laboratory data and sample locations

			T		I	1	1	1	T	1	l -
Sample ID	Date	Floor	Sample Type	Sample Description	Conc ppm	SD	AVG	0.68	0.95	Aroclor Type	Report Limit ppm
M1	9.29.09	01st	Solid	White Marble	<0.79						.025
WG6	9.29.09	07th	Solid	White Granite	2.1	2.1	2.1			1	.025
BG6	9.29.09	07th	Solid	Black Granite	5.4	5.4	5.4			1,2	.025
МЗ	9.29.09	07th	Solid	White Marble	<0.60	0.6	0.6				.025
BG5	9.29.09	11th	Solid	Black Granite	<0.50	0.5	0.5				.025
WG4	9.29.09	11th	Solid	White Granite	<0.91	0.91	0.91				.025
WG2	9.29.09	12th	Solid	White Granite	1.9	1.9	1.9			1	.025
BG3	9.29.09	12th	Solid	Black Granite	<0.57	0.57	0.57	+			.025
M5	9.29.09	13th	Solid	White Marble	3.8	3.8	3.8			1	.025
			7.			1.78	3.75	5.53	7.32		



⁴ The first floor has a height of approximately twenty five feet above ground level.

5.0 Site Cleanup – Urban & Restec

Solid waste materials will be collected in 55 gallon drums and profiled. Ha zardous waste must be te sted and categorized for purposes of disposal. Restec will submit written evidence of approved testing (including copies of the actual chain-of-custody forms) and dispose of hazardous wastes with in 90 (day s) days following the completion of each phase of the project. Restec will submit written evidence that the disposal sites are approved for PCBs, lead and any other hazardous materials disposal by the USEPA and state or local regulatory agency(s). Uniform hazardous waste manifests prepared, signed and dated by an agent of the generator and the disposal site certifying the amount of hazardous materials delivered will be provided. The manifest must be provided to the Owner within twenty-five (25) working days after delivery.

Bulk PCB remediation waste removal. Dry bulk PCB waste will be removed as indicated in the general removal procedures immediately following this section. The cleanup process will incorporate the use of isopropyl alcohol.

- (1) No chlorinated solvents will be used.
- (2) All clean-up will be at ambient temp.
- (3) All processes will be either hand tools or mechanical in nature, with HEPA exhausted equipment to provide finish surfaces (See Bulk PCB Remediation Waste).
- (4) No external heat sources will be used for cleaning.
- (5) Solvent in the form of isopropyl alcohol will be used to clean surfaces. No liquid waste is anticipated as the solvents evaporate during the cleaning process, leaving only the residue accumulated on the cleaning rags. The cleaning rags and other wastes generated will be segregated, containerized and disposed of per § 761.61 PCB remediation waste and as described in the General Removal Procedures (below).
- (6) No solvent waste will be generated during the process. Bulk and particulate waste will be collected as indicated in the General Removal Procedures (below).

Bulk PCB remediation waste will be sent off-site for disposal at an authorized disposal site to be determined. Transport containers will comply with DOT Hazardous Materials Regulations (HMR) 49 CFR parts 171 through 180.

- (1) Dewatering: PCB waste will be dry and dewatering will not be needed.
- (2) Concentrations: Previous testing indicates PCB concentrations range from non-detect to a maximum of 189,000 ppm for caulking at metal to metal surfaces, primarily under windows.
 - a. Caulking waste from the first floor, which has a lower PCB concentration, ranging from non-detect to 61 ppm, will be segregated from caulking on upper floors.
 - b. 29 Sections of granite sheathing will be removed from the building as part of the renovation process. Previous testing indicates that the granite is slightly porous, having absorbed a concentration of approximately 5.57 ppm PCBs on upper floors, and < .79 ppm on the first floor⁵. Sections of granite sheathing scheduled for disposal will have PCB containing caulking removed; edges ground and wiped down with isopropyl alcohol prior to being containerized for disposal.
- (3) It is estimated that four waste streams, as follows, will be generated during the cleanup process:
 - a. Ground floor caulking;
 - b. second floor and above caulking;
 - c. granite slabs: and
 - d. cleaning rags / protective clothing waste.

Depending upon testing results undertaken as waste streams are generated, some waste streams may be combined or further segregated.

⁵ Note the caulking materials used on the first floor appear different from those on upper floors.

- (4) The waste streams will be profiled by Restec to determine the appropriate disposal in accordance with Section 3004 of RCRA, and applicable state regulations covering PCB disposal (TSCA). See work plan.
- (5) It is estimated that there will be a total of 30 55-gallon steel drums of dry waste. Waste will be shipped off site every 90 days. At least fifteen days prior to shipping, Restec will test and manifest waste. Testing will be in accordance with EPA Extraction Method 3500B / 3540C or Method 3500B/3550B and chemical analysis in accordance with EPA Method 8082 in SW-846.

5.01 RESTEC GENERAL REMOVAL PROCEDURES

- 1. Remove the bulk of the sealant and backer rod by means of a utility knife
- 2. Scrape as much of the residual sealant off the substrate as possible
- 3. On the granite and marble panels, grind the +/- 1/4" bond line where the new sealant will be adhering to the stone with a mini grinder and diamond blade
- 4. Wipe the surface clean and free of dust and contaminants with isopropyl alcohol.
- All metal will receive a good scrub with a scratch pad and wiped clean with isopropyl alcohol after existing sealant has been removed
- 6. Measures will be taken to ensure that the existing sealant will be contained to the swing stage during the removal process
- 7. While grinding, vacuums with HEPA filters will be attached to grinders to collect the dust
- 8. Employees will be wearing a combination of respirators, gloves, and Tyvek style suits during certain phases of the removal and prep.

5.02 REMOVAL GENERAL

A. Bulk Removal of Sealant and Backer Rods Using Hand Tools:

- a. Employees will use Tyvek type suits, impermeable neoprene gloves and respirators with appropriate cartridges for the contaminants present.
- b. Personal monitoring will be conducted to characterize employees' exposure. Following personal exposure monitoring respiratory protection may be downgraded for this phase of the work.
- c. If multiple phases of work are conducted concurrently on a swing stage (i.e. bulk removal and grinding) all employees on that stage and or potentially affected stages will use PAPRs (full-face Powered Air Purifying Respirators).

B. Detailed Surface Grinding of Exterior Finishes:

- a. Employees will, as required by OSHA and the Work Plan (WP), be monitored utilizing personal monitoring practices and this will be done to characterize employee exposures. Both air and skin exposure sampling will be conducted.
- b. Use PAPR respirators during this process
- c. Use of electric grinders equipped with shrouds and HEPA vacuums to control particulate release. No removal will be performed on days where the wind is likely to cause release of particulates from the swing stage.

C. Surface Cleaning with alcohol.

- a. As required by OSHA and the WP personal monitoring will be conducted to characterize employees' exposure to PCB's and lead.
- b. Following personal exposure monitoring, respiratory protection maybe downgraded.
- c. Restec personnel will use NIOSH approved half-faced respirators for the set-up and teardown of the containment areas. Restec will use NIOSH approved PAPRs for the gross removal of caulking and sealants and any power tool usage.

d. If joint work is conducted on a swing stage (i.e. grinding and solvent cleanup), all employees on that stage and or potentially affected stages will use PAPRs. Personnel air sampling will be conducted for lead and PCB exposure. The sampling will continue until a representative sampling has been completed for each month. Personal skin wipe sampling will also be conducted to determine PPE effectiveness.

D. Swing Stage

- a. Enclosure controls See WP 1.2.F COMPLIANCE AND INTENT. Restec will not be installing critical barriers on the windows, but will be installing them over areas that are subject to interior leakage within the removal area.
- b. Apply a continuous band of adhesive tape at the interface of the swing stage and building wall to control the escape of particulate from the work area.
- c. As needed, but not less than two times per day and at the end of the shift, HEPA Vacuum the swing stage enclosure.
- d. Restec will immediately repair/replace damaged polyethylene drop cloths as appropriate to avoid particulate release. Minor tears or pinholes will be repaired with duct tape.

E. Entry and Exit Areas - Regulated Area

- a. Access to work areas will be through a regulated area generally located at the entry to the swing stage.
- b. Regulated areas will be designated with danger tape and delineators and have polyethylene drop sheets. Restec will install signage on the caution tape designating the area as having "Overhead Work", PCB and lead Hazard. Restec will have personnel on the ground (chip chaser) monitoring the area underneath the work area as well as collecting and HEPA vacuuming any visible debris.
- c. Workers will decontaminate and change and store clothing within the regulated area. Restec will have a wash station located on the roof for decontamination at the completion of the shifts. The wash station will include first aid materials, water, and soap and disposal bags for disposal for the consumable PPE. The wash station shall include an area for the changing in and out of PPE. Restec will be installing engineering controls within the swing stage baskets. Restec will wrap the stage basket with 6 mil poly. Restec will add black "mesh-style" netting above the basket rails, supported by an appropriate framing. The mesh netting will serve the purpose of controlling emissions while not acting as a sail and therefore creating an unsafe condition for Restec personnel.
- d. Regulated areas will be used for equipment storage and temporary storage of waste materials.

E Equipment Cleaning at the Completion of the Project

- a. At the completion of the project all salvaged equipment will be cleaned and tested. Disposables including but not limited to razor knives, scrapers, etc. will be categorized, drumed and disposed of as PCB containing waste.
- b. Equipment will be cleaned and wipe tested. Testing will entail standard wipe test protocols as defined in 40 CFR 761.123 using a hexane solution. Analysis will be via EPA 8082. That equipment that cannot be adequately cleaned will be disposed of as PCB containing waste.

6.0 Cleanup Verification

Attachment D - Based upon testing results and the potential for fracturing granite sheets for the purposes of chip sampling, RGA recommends that the final determinations of "clean surfaces" be determined based upon surface wipe results. The sampling strategy will be based upon a sampling grid that can be extended from an EPA Sampling Document for grid sampling of soils in the field. It is a statistically valid sampling protocol (Field Manual for Grid Sampling of PCB Spill Sites to Verify Cleanup; EPA-560/5-85-026, August, 1985 & Wipe Sampling & EPA PCB Spill Cleanup Policy; April, 1991). It also introduces a technically random sampling scheme based upon a random number generator and assignment of the areas to be sampled with unique identifiers. Lastly, the results of wipe samples taken will be documented to the reporting limits of the method, which means that results will be reported down to ~0.25 ug/cm2. This should give EPA confidence in the actual values of the wipe samples well below the regulatory limits established in the regulation.

6.01 Replacement Caulking

The replacement caulking is a silicone based material known as SilPruf. It does not contain PCB's. Silicones are somewhat permeable and may reabsorb some residual PCB's. The amount of PCB's that would be reabsorbed would be dependent upon the amount (ppm) remaining within the substrates and the longevity of the caulking at that sub strate. Assuming that the silicone caulking will remain 50+ years in-situ, the rewill be no change in exposure assessment for the building based upon current criteria.

Attachment A

Bulk Caulking Sampling Data Summary

TABLE 1 Bulk Caulking Sampling Data - See Appendix 1 Laboratory data and sample locations

Sample Number	Date	Floor	Description	PCB Concentration ppm	PCB Reporting Limit ppm	Arochlor Type
9081-BM 1	6.09.09	01ST	Black Granite	<5	0.025	
9081-BM 10	6.09.09	01ST	Black Granite	61	0.025	1
9081-BM 11	6.09.09	01ST	Black Granite	<10	0.025	
9081-BM 2	6.09.09	- 01ST	Black Granite	6.1	0.025	1
9081-BM 3	6.09.09	01ST	Black Granite	13	0.025	1
9081-BM 4	6.09.09	01ST	Black Granite	9.5	0.025	1
9081-BM 5	6.09.09	01ST	Black Granite	1.6	0.025	1
9081-BM 6	6.09.09	01ST	Black Granite	<10	0.025	
9081-BM 7	6.09.09	01ST	Black Granite	<25	0.025	PARISY - minumaka, managana
9081-BM 8	6.09.09	01ST	Black Granite	<25	0.025	~
9081-BM 9	6.09.09	01ST	Black Granite	<10	0.025	-PPR-PARTE - Productive Annual
9081-WM 1	6.08.09	01ST	White Marble	8.4	0.025	1
9081-WM 10	6.08.09	01ST	White Marble	18	0.025	1
9081-WM 11	6.08.09	01ST	White Marble	12	0.025	1
9081-WM 2	6.08.09	01ST	White Marble	<50	0.025	** **********************************
9081-WM 3	6.08.09	01ST	White Marble	<100	0.025	white makeness and the first
9081-WM 4	6.08.09	01ST	White Marble	<50	0.025	· · · · · · · · · · · · · · · · · · ·
9081-WM 5	6.08.09	01ST	White Marble	3.1	0.025	1
9081-WM 6	6.08.09	01ST	White Marble	21	0.025	1
9081-WM 7	6.08.09	01ST	White Marble	<5	0.025	***************************************
9081-WM 8	6.08.09	01ST	White Marble	<5	0.025	Actual Control of Cont
9081-WM 9	6.08.09	01ST	White Marble	22	0.025	1
9081-PCB-1	5.20.09	02nd	White Caulk	25	0.025	1
9081-PCB-2	5.20.098	02nd	Black sealant	12000	0.025	1
PCB-17	7.21.09	04th	Black Sealant	720	0.025	1
PCB-26	7.21.09	05th	Black Sealant - Panel	180000	0.025	1
PCB-39	7.21.09	05th	Black Sealant	2200	0.025	1
PCB-40	7.21.09	05th	Black Sealant	164	0.025	1, 2
100-PCB-10	6.05.09	07th	Caulk metal	38000	0.025	1
100-PCB-3	6.04.09	07th	Black Sealant	8800	0.025	1, 2
100-PCB-4	6.04.09	07th	Black Sealant	18000	0.025	1
100-PCB-9	6.05.09	07th	Caulk metal	9400	0.025	1
9081-CVM-2	6.09.09	07th	Continuous vertical Mullion	440	0.025	1
9081-CVM-3	6.09.09	07th	Continuous vertical Mullion	910	0.025	1
9081-CVM-5	6.09.09	07th	Continuous vertical Mullion	2700	0.025	1
9081-CVM-6	6.09.09	07th	Continuous vertical Mullion	5200	0.025	1, 2
9081-CVM-9	6.09.09	07th	Continuous vertical Mullion	270	0.025	1
9081-WGP-9	6.09.09	07th	White Granite Panel	18	0.025	1
PCB-37	7.27.09	08th	Black Sealant	13000	0.025	1
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TABLE 1 Bulk Caulking Sampling Data - See Appendix 1 Laboratory data and sample locations

Sample Number	Date	Floor	Description	PCB Concentration ppm	PCB Reporting Limit ppm	Arochlo Type
PCB-38	7.27.09	08th	Black Sealant	500	0.025	1, 2
PCB-9	7.21.09	08th	Black Sealant	40	0.025	1
9081-CVM-1	6.09.05	09TH	Continuous vertical Mullion	230	0.025	1
9081-CVM-4	6.09.05	09TH	Continuous vertical Mullion	2500	0.025	1
9081-CVM-7	6.09.05	09TH	Continuous vertical Mullion	190	0.025	1
9081-CVM-8	6.09.05	09th	Continuous vertical Mullion	250	0.025	1
9081-WGP-2	6.09.05	09TH	White Granite Panel	23	0.025	1
9081-WGP-6	6.09.05	09TH	White Granite Panel	40	0.025	
PCB-25	7.21.09*	10th	Black Sealant - Metal panel	189000	0.025	1, 2
PCB-31	7.27.09	11th	Black Sealant	23000	0.025	1
PCB-32	7.27.09	11th	Black Sealant	84	0.025	1
PCB-33	7.27.09	11th	White Caulk/Black Caulk	28	0.025	1
PCB-34	7.27.09	11th	White Caulk/Black Caulk	21	0.025	1
PCB-35	7.27.09	11th	Black Sealant	4700	0.025	1, 2
PCB-36	7.27.09	11th	Black Sealant	88	0.025	1, 2
PCB-5	7.21.09*	12th	Gray Sealant	1300	0.025	1
100-PCB-5	6.04.09	13th	Caulk metal window	15000	0.025	1
100-PCB-6	6.04.09	13th	Caulk metal	15000	0.025	1
100-PCB-7	6.05.09	13th	Caulk metal	15000	0.025	1
100-PCB-8	6.05.09	13TH	Caulk metal	29000	0.025	1
9081-WGP-1	6.09.09	13TH	White Granite Panel	230	0.025	1
9081-WGP-3	6.09.09	13th	White Granite Panel	12	0.025	1
9081-WGP-4	6.09.09	13TH	White Granite Panel	37	0.025	1
9081-WGP-5	6.09.09	13TH	White Granite Panel	37	0.025	1
9081-WGP-7	6.09.09	13TH	White Granite Panel	54	0.025	1
9081-WGP-8	6.09.09	13TH	White Granite Panel	38	0.025	1
PCB-3	7.21.09	14th	Black Sealant	93	0.025	1
PCB-30	7.27.09	14th	Black Sealant	1000	0.025	1
100-PCB-1	6.04.09	UNK	Caulk	150	0.025	1
100-PCB-2	6.04.09	UNK .	Caulk	14	0.025	1
Aroclor 1254 - 1		THE RESIDENCE OF A PERSON OF MAINTAINS AND A PERSON OF				
Aroclor 1260 - 2						

Attachment B

Planter Soil Samples



100 California San Francisco, CA Planter reference map

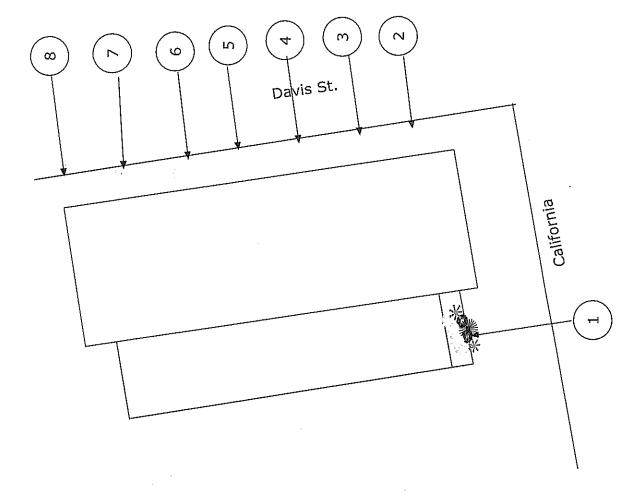


TABLE 2 Planter Soil Sampling Data - See Appendix 2 Laboratory data and sample locations

Location	Sample Number	Date	Floor	Description	Concentration	PCB Reporting	Arochlo
Reference					ppm	Limit ppm	Type
8	235926	12.7.09	Ground floor soil	East Planer	<0.05	0.025	THE CONTRACTOR OF THE CONTRACT
7	235927	12.7.09	Ground floor soil	East Planer	1.1	0.025	1
6	235928	12.7.09	Ground floor soil	East Planer	0.44	0.025	1, 2
5	235929	12.7.09	Ground floor soil	East Planer	<0.05	0.025	
4	235930	12.7.09	Ground floor soil	East Planer	0.31	0.025	1
3	235931	12.7.09	Ground floor soil	East Planer	0.32	0.025	1
2	235932	12.7.09	Ground floor soil	East Planer	0.29	0.025	1, 2
1	235933	12.7.09	Ground floor soil	South Planer	ND	0.025	
1	235934	12.7.09	Ground floor soil	South Planer	0.095	0.025	1
8	1 (100-6380-001A)	6.14.10	Ground floor soil	East Planer	1	0.05	1
7	2 (100-6380-002A)	6.14.10	Ground floor soil	East Planer	7	0.05	1
6	3 (100-6380-003A)	6.14.10	Ground floor soil	East Planer	19	0.05	1
5	4 (100-6380-004A)	6.14.10	Ground floor soil	East Planer	5.1	0.05	1
4	5 (100-6380-005A)	6.14.10	Ground floor soil	East Planer	2.4	0.05	1
3	6 (100-6380-006A)	6.14.10	Ground floor soil	East Planer	2.7	0.05	1
2	7 (100-6380-007A)	6.14.10	Ground floor soil	East Planer	5.6	0.05	1
1	8 (100-6380-008A)	6.14.10	Ground floor soil	South Planer	39	0.05	1
	Aroclor 1254 - 1						
	Aroclor 1260 - 2		***************************************	THE PERSON NAMED IN COLUMN TWO DESCRIPTIONS OF THE PERSON NAMED IN COLUM	And the second s		******
	Bulk sample analysis	were complete	ad using FDA moth	ad 8087			-

McCampbell An "When Quality		cal, In	<u>c.</u>		Web: www.mccampl	ass Road, Pittsburg, CA 94565-1701 bell.com E-mail: main@mccampbell.com 77-252-9262 Fax: 925-252-9269				
RGA Environmental		Client Pro	oject ID: #	BRES	21720	Date Sampled:	06/14/10			
1466 66th Street					ļ	Date Received:	06/14/10			
1400 doin Sirect	-	Client Co	ontact: Bo	b Gils		Date Extracted:	06/14/10			
Emeryville, CA 94608		Client P.	O.:			Date Analyzed:	06/17/10-0	6/21/10		
P Extraction Method: SW3550B	olychlori	-	phenyls (P	-	roclors by GC-E	CCD*	Work Order:	1006380		
Lab ID	100638	30-001A	1006380-	·002A	1006380-003A	1006380-004A				
Client ID		1			3	4	Reporting DF			
Matrix		S	S		S	S	<u> </u>			
DF		5	20		. 50	20	S	W		
Compound				Conce	entration		mg/kg	ug/L		
Aroclor1016	ND<	<0.25	ND<1	.0	ND<2.5	ND<1.0	0.05	NA		
Aroclor1221	ND	<0.25	ND<1	.0	ND<2.5	ND<1.0	0.05	NA		
Aroclor1232	ND<	<0.25	ND<1	.0	ND<2.5	ND<1.0	0.05	NA		
Aroclor1242	ND<	<0.25	ND<1	.0	ND<2.5	ND<1.0	0.05	NA		
Aroclor1248	ND<	<0.25	ND<1	.0	ND<2.5	ND<1.0	0.05	NA		
Aroclor1254	1	.0	7.0		19	5.1	0.05	NA		
Aroclor1260	ND<	<0.25	ND<1	.0	ND<2.5	ND<1.0	0.05	NA		
PCBs, total	1	.0	7.0		19	5.1	0.05	NA		
		Surr	ogate Rec	overies	(%)					
%SS:	į	19	#		#	#				
Comments	h	14	h4		h4	h4				
* water samples in µg/L, soil/sludge/solid samples and all TCLP & SPLP extracts and means not detected above the reported	are reporte	ed in mg/L						liquid		

surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor

h4) sulfuric acid permanganate (EPA 3665) cleanup

Angela Rydelius, Lab Manager

07.13.2010

DHS ELAP Certification 1644

McCampbell An		ıc.		Pass Road, Pittsburg, CA		com
"When Ouality			Telephone: 8	377-252-9262 Fax: 92		
RGA Environmental	Client Pr	roject ID: #BRES	21720	Date Sampled:	06/14/10	
1466 66th Street				Date Received:	06/14/10	
	Client C	ontact: Bob Gils		Date Extracted:	06/14/10	
Emeryville, CA 94608	Client P.	O.:		Date Analyzed:	06/17/10-0	6/21/10
Po Extraction Method: SW3550B		phenyls (PCBs) A	-	ECD*	Work Order:	1006380
Lab ID	1006380-005A	1006380-006A	1006380-007A	1006380-008A		
Client ID	5	6	7	8		Limit for
Matrix	S	S	S	S		
DF	20	10	20	200	S	W
Compound		Conce	entration		mg/kg	ug/L
Aroclor1016	ND<1.0	ND<0.50	ND<1.0	ND<10	0.05	NA
Aroclor1221	ND<1.0	ND<0.50	ND<1.0	ND<10	0.05	NA
Aroclor1232	ND<1.0	ND<0.50	ND<1.0	ND<10	0.05	NA
Aroclor1242	ND<1.0	ND<0.50	ND<1.0	ND<10	0.05	NA
Aroclor1248	ND<1.0	ND<0.50	ND<1.0	ND<10	0.05	NA
Aroclor1254	2.4	2.7	5.6	39	0.05	NA
Aroclor1260	ND<1.0	ND<0.50	ND<1.0	ND<10	0.05	NA
PCBs, total	2.4	2,7	5.6	39	0.05	NA
	Surre	gate Recoveries	(%)			
%SS:	109	105	120	#		

samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 19 of 177

N. s	hatte: <u>« a winter</u> me: (377) 251	1534 WII PITTSBU cataphell.	CLOW PA	SS RO. 4565-17 all: ma	AD 101 \ tin@n	oo (axt (92	038 befl.com 5) 151-9	269					OU	ND er El	IN TIM DF	E	**************************************	RUSI F	1	2411	R	481	ir W	72 rite	HR On	S DAY (DW)
Company: 24	Charles of the last and the last through the last	-	1	FEE) 147		KGA	EN			-		-	Sinesta China	Ai	ulysis	Ret	ties	1					(Hier	_	Comments
1444 66 EMERYULL Tele: (500) 5 Project Location Summer Signato	TH ST. E, CA 9: 47- ES 217: :100 CA	4608 20 UFDRN	114,3	-Alaii	t Nan	ne:	4800			85 (415 (1002 (2002) + 371/5)	H FA 802 > 802 Li	OB (5015) Grease (1661) 5520 170(NF)	Exthens [118.4)	SOCI (RIVER'S)	Pesticidest MLAy Amilians Congeners	(NP Pesticides)	Acidic E.T. Herbichler	VOR st	SYOUS	PARK A GAID ANNEL	Z082.8 7 6.03 B 7.6 (2.0)	1.44(12))	And the second s		mon-Afterball serving on	Filter Samples for Metals analysis: Yes / No
	And the same of th	SAMI	LING	~	ers	MA	TRIX		IMOD ERVEL	ΙΞ	-	Sign	(krqta)	=	= :	A A	with	3200	67.5	7 F	10,7 (1697				
SAMPLE ID	LOCATION/ Field Point Name	2 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Part III	# Containers	Type Containers	Water	Air Shulge Other		~, .	HTEV &	ALE ALLES OF	Titt av Diesel / Ab Estal Petrokom O	Tand Penaleum II	RPA SUZ LÉGUL CADIN CAGLI (RIVER	EPA 505/1-085/ND81 (CAP esticio EPA 603/ND82 PC IPA GNUA);	FPA 5077 KILL (N	EPA 515 / 8151 (A	EPA 514.2 (621) 8	69A 525.1 / 625 / 8270 (STOC	CAM 12 Mende 19	LL FT 5 Metats (29	8,000 / C.095) beau	man Canada qui ma Malpanasa qual andre de	Andrew An	And the second section of the second section of the second section of the second section second second section second sec	
1	South	6/14/10	6:30	0	- Propagation	1		-		m possino	1	***			1				<u> </u>			+		1	-	
2	SOUTH E.		5			1				1-					1	-		-			.+	+	-	1	1	
3 4	EAST					~				1					1		-		-	-					1	
	EAST					1				1					1				migra-						1	
5	EAST	/				1			1	1					1				-	-				-	1	
7	EAST					1						1 .			1					1	-				7	***
	EAST					1				1			1 +		1				math		- 1				+	
8	HORTH E.	4	1			1			1						1		7				j					E. 1
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Relinquished By:		Bate:	Time:	Recei		- P		M. Charles Manuscreen		PR	ESER	VED IN	VO	s al	P -	ME DH<		5 O	ТНЕІ	₹.						

7

McCampbell Analytical, Inc.



1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 2	52-9262					Work	Order:	10063	38 0	Cl	ientCo	de: R	GAE				
		☐ WaterTrax	WriteOn	EDF]Excel		Fax	✓	Email	[Hard	Сору	Third	dParty	☐ J-f	lag
Report to: Bob Gils		Email:	bob@rgaenv.e	com			Bill to: Nic	k Hech	t			•	Requ	uested :	TAT:	, 5 d	lays
RGA Enviro 1466 66th S Emeryville, (510) 547-77	Street CA 94608		#BRES 21720)			146 Em	66 66th eryville	onmenta Street , CA 946 @rgaenv	808				e Recei e Print		06/14/2 06/14/2	
					[Pague			`aa laa					
Lab ID	Client ID								Neque	ested T	ests (:	see reg	jena be	elow)			
			Matrix	Collection Date	Hold	1	2	3	4	5 Sted T	6	7	8 8	9 9	10	1:1	12
1006380-001	1		Matrix Soil	Collection Date 6/14/2010 6:30	Hold	1 A	2	3	4	5	6 6	7	8 8	T	10	1.1	12
1006380-001 1006380-002	1 2				Hold		2	3	4	sted T	6	7	8	T	10	1.1	12
	2 3		Soil	6/14/2010 6:30	Hold	Α	2	3	4	5	6	7	8 8	T	10	1.1	12
1006380-002	1 2 3 4		Soil Soil	6/14/2010 6:30 6/14/2010 6:30	Hold	A A	2	3	4	5	6	7 7	8	T	10	1.1	12

Α

Α

Soil

Soil

Soil

6/14/2010 6:30

6/14/2010 6:30

6/14/2010 6:30

Test Legend:

1006380-006

1006380-007

1006380-008

1 8082A_PCB_S	2	3	4	5
6	7	8	9	10
11	12			101

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

RGA Environmental, Inc.



1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web; www.mccampbell.com E-mail: main@mccampbell.com Telephone; 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name:	RGA Environmen	ıtaı			Date a	and Time Received:	6/14/2010	5:03:04 PW	
Project Name:	#BRES 21720				Check	dist completed and re	viewed by:	Samantha Arb	uckle
WorkOrder N°:	1006380	Matrix <u>Soil</u>			Carrie	er: Rob Pringle (MA	Al Courier)		
		<u>Chai</u>	n of Cu	ıstody (C	OC) Informa	ation			
Chain of custody	y present?		Yes	V	No 🗆				
Chain of custody	y signed when relinqui	ished and received?	Yes	V	No 🗆				
Chain of custody	y agrees with sample	labels?	Yes	₹	No 🗆				
Sample IDs noted	d by Client on COC?		Yes	V	№ □				
Date and Time of	f collection noted by Cl	ient on COC?	Yes	V	No 🗆				
Sampler's name	noted on COC?		Yes	V	No 🗆				
		<u>s</u>	ample	Receipt	: Information	<u> </u>			
Custody seals in	itact on shipping conta	iner/cooler?	Yes		No 🗆	i	NA 🗹	•	
Shipping contain	er/cooler in good cond	lition?	Yes	V	No 🗆				
Samples in prop	er containers/bottles?		Yes	✓	No 🗆				
Sample containe	ers intact?		Yes	✓	No 🗆				
Sufficient sample	e volume for indicated	test?	Yes	$\overline{\mathbf{V}}$	No 🗆				
		Sample Prese	rvatio	n and Ho	old Time (HT) Information			
All samples rece	ived within holding tim	ie?	Yes	V	No 🗌				
Container/Temp	Blank temperature		Coole	er Temp:	6.2°C		NA 🗆		
Water - VOA via	ls have zero headspa	ce / no bubbles?	Yes		No 🗆	No VOA vials submit	ted 🗹		
Sample labels ch	hecked for correct pre	servation?	Yes	V	No 🗌				
Metal - pH accep	otable upon receipt (ph	l<2)?	Yes		No 🗆	į	va 🗹		
Samples Receive	ed on Ice?		Yes	V	No 🗆				
		(Ісе Тур	e: WE	TICE)				
* NOTE: If the "I	No" box is checked, se	ee comments below.							
Client contacted:		Date contac	ted:			Contacted t	y:		
Comments:									



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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 51171

WorkOrder 1006380

EPA Method SW8082	Extra	ction SW	3550B					s	Spiked Sar	nple ID	: 1006084-0	40A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)				
,	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD	
Aroclor1260	0.30	0.15	NR	NR	NR	111	111	0	70 - 130	20	70 - 130	20	
%SS:	92	0.050	109	114	3.84	109	108	1.07	70 - 130	20	70 - 130	20	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 51171 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006380-001A	06/14/10 6:30 AM	06/14/10	06/17/10 10:13 AM	1006380-002A	06/14/10 6:30 AM	06/14/10	06/17/10 11:08 AM
1006380-003A	06/14/10 6:30 AM	06/14/10	06/17/10 1:55 PM	1006380-004A	06/14/10 6:30 AM	06/14/10	06/21/10 7:08 PM
1006380-005A	06/14/10 6:30 AM	06/14/10	06/17/10 8:26 PM	1006380-006A	06/14/10 6:30 AM	06/14/10	06/17/10 2:51 PM
1006380-007A	06/14/10 6:30 AM	06/14/10	06/17/10 3:47 PM	1006380-008A	06/14/10 6:30 AM	06/14/10	06/21/10 8:03 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer

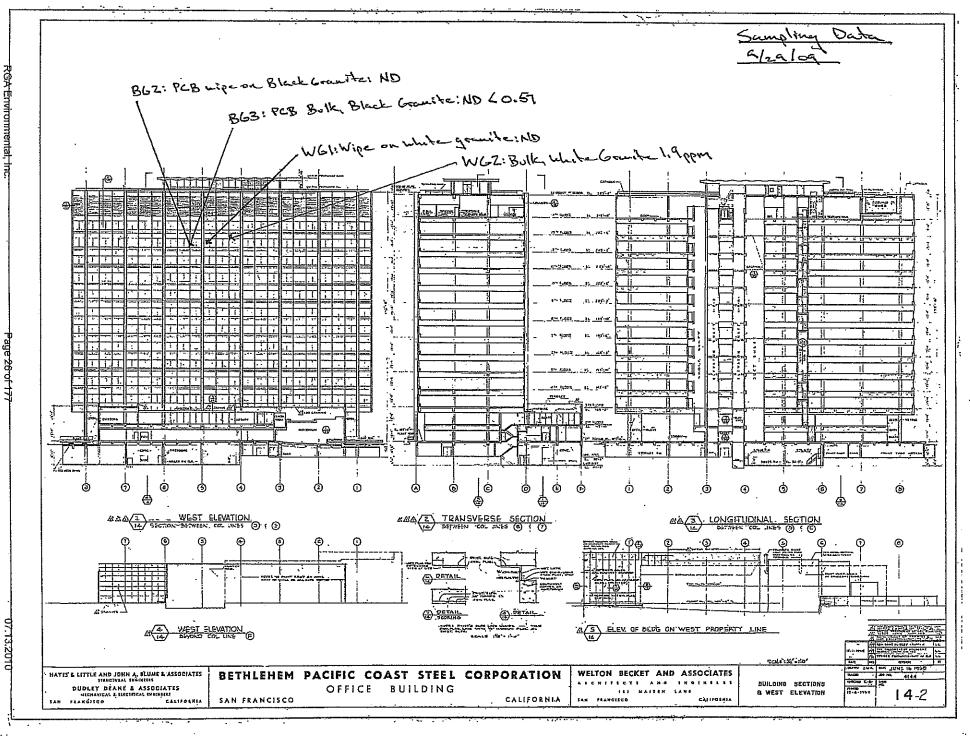
Attachment C

Pilot study - PCB Containing Materials Collected as Part of the Cleanup Testing

100 California Street Building Façade Repairs PCB Containing Materials

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00 California Street Building Facade Repairs PCB Containing Materials

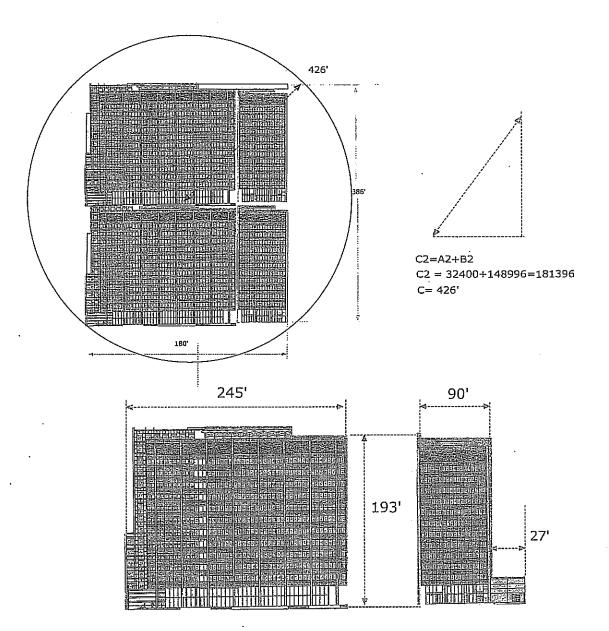
TABLE 3.0 Pilot Study Stone PCB Sampling Data - See appendices for laboratory data and sample locations

Sample ID	Date	Floor	Sample Type	Sample Description	Concentration	Reporting limit ppm	SD	AVG	0.68	0.95	Aroclor Type
M1	9.29.09	01st	Solid	White Marble	<0.79	0.025					
WG6	9.29.09	07th	Solid	White Granite	2.1	0.025	2.1	2.1			1
BG6	9.29.09	07th	Solid	Black Granite	5.4	0.025	5.4	5.4			1,2
M3	9.29.09	07th	Solid	White Marble	<0.60	0.025	0.6	0.6			
BG5	9.29.09	11th	Solid	Black Granite	<0.50	0.025	0.5	0.5			
WG4	9.29.09	11th	Solid	White Granite	<0.91	0.025	0.91	0.91			
WG2	9.29.09	12th	Solid	White Granite	1.9	0.025	1.9	1.9			1
BG3	9.29.09	12th	Solid	Black Granite	<0.57	0.025	0.57	0.57			
M5	9.29.09	13th	Solid	White Marble	3.8	0.025	3.8	3.8			1
		r vije in	e les enjoyes			d management	1.78	3.76	5.54	7.32	e dina
	TARIF 3.1 Pile	ot Study Wi	ine PCB Sami	oling Data - See appe	ndices for lab	oratory da	ta and sai	mple loc	ations		
Sample ID	Date	Floor	Sample Type	Sample Description	Concentration ug/ 100cc	MDL ug/100cc		pic io			Aroclo Type
MW1	9.29.09	01st	Wipe	White Marble	ND	0.25	data selfurili eti fuerrili elemente in area			4	
BG1	9.29.09	01st	Wipe	Black Granite	ND	0.25					
WG5	9.29.09	07th	Wipe	White Granite	ND	0.25		1			
M2	9.29.09	07th	Wipe	Whitė Marble	ND	0.25	1000		4.3		1
BG4	9.29.09	11th	Wipe	Black Granite	ND	0.25					
MC1	9.29.09	11th	Wipe	Metal Column	ND	0.25		(
WG3	9.29.09	11th	Wipe	White Granite	ND	0.25					
BG2	9.29.09	12th	Wipe	Black Granite	ND	0.25					
WG1	9.29.09	12th	Wipe	White Granite	ND	0.25					
M4	9.29.09	13th	Wipe	White Marble	ND	0.25			. E.		
			. 505.6	l. D	1: 6 11						4214
	ABLE 3.2 PIIC	ot Study Gro	out PCB Samp	oling Data - See appe	Concentration	Reporting	ta and sa	mpie ioc	ations		Aroclo
Sample ID	Date	Floor	Sample Type	Sample Description	ppm	limit ppm					Туре
GR3	9.29.09	13th	Solid	Grout	22	0.025					1
GR2	9.29.09	08th	Solid	Grout	23.8	0.025					1,2
GR1	9.29.09	11th	Solid	Grout	21	0.025					1
oclor 1254 - 1											
oclor 1260 - 2						22.1					
			ing EPA method								

Attachment D

Cleanup Verification - Grid Sampling EPA 560/5-86017





100 CALIFORNIA.

DRAWING SAMPLING PLAN 100 California Street Building Facade Repairs PCB Containing Materials

6.0 Cleanup Verification 100 CALIFORNIA Grid Sampling of PCB's EPA 560/5-86-017 May 1986 350 300 250 213 200 142710 Diameter 377 Radius 188.5 <u>VERT</u> 405.27 150 356,26 311.02 262,01 213 100 163.99 114.98 69.74 20,73 HORZ 113.1 169.65 226.2 282.8 339.3

50

100

150

200

250

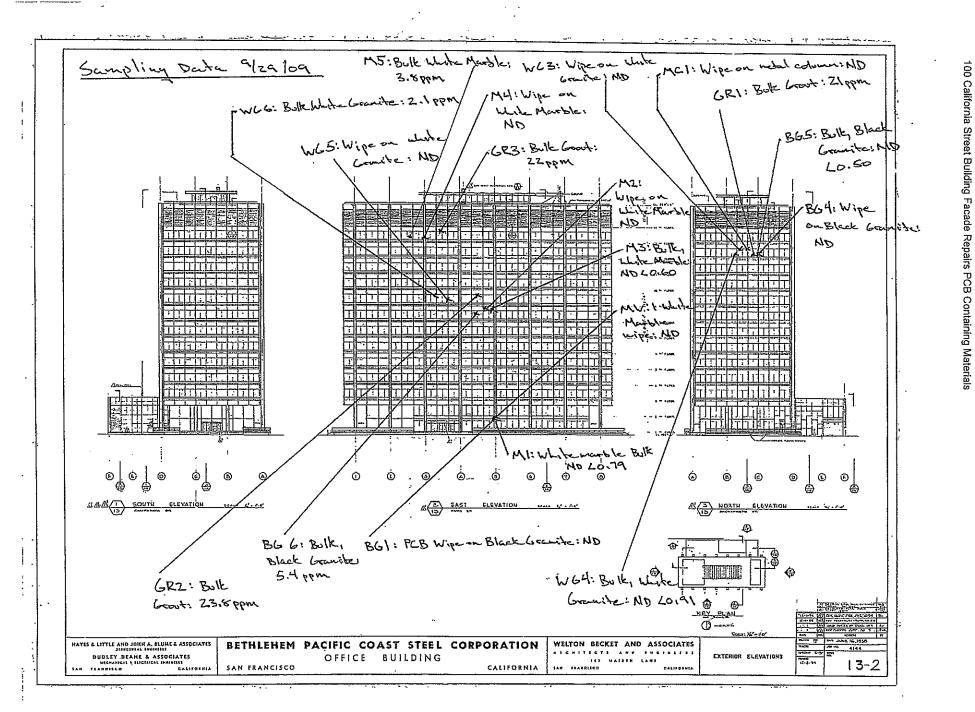
200

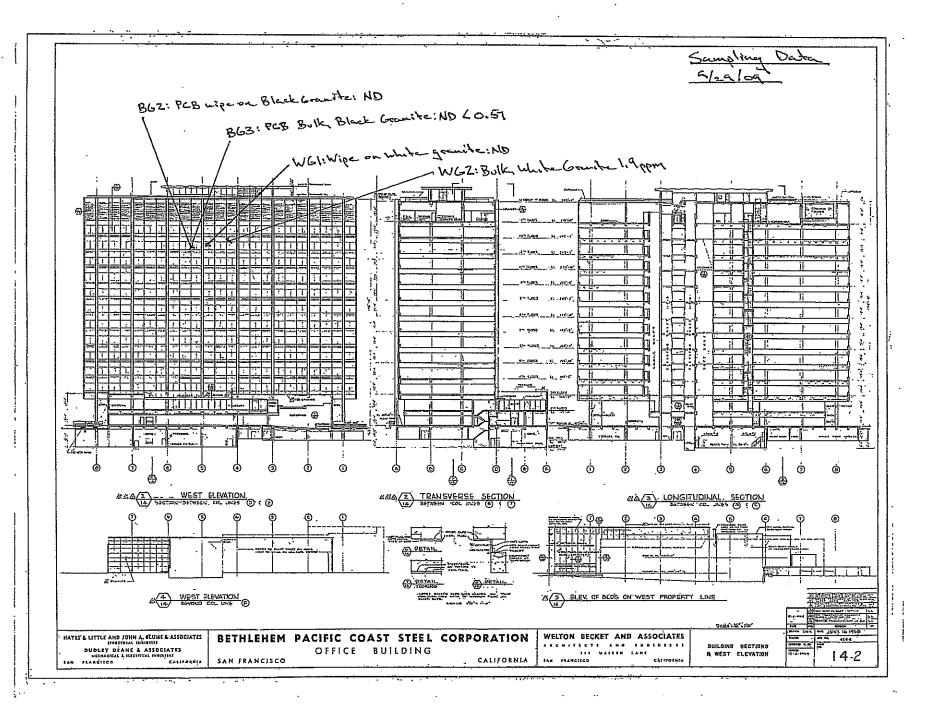
300

400

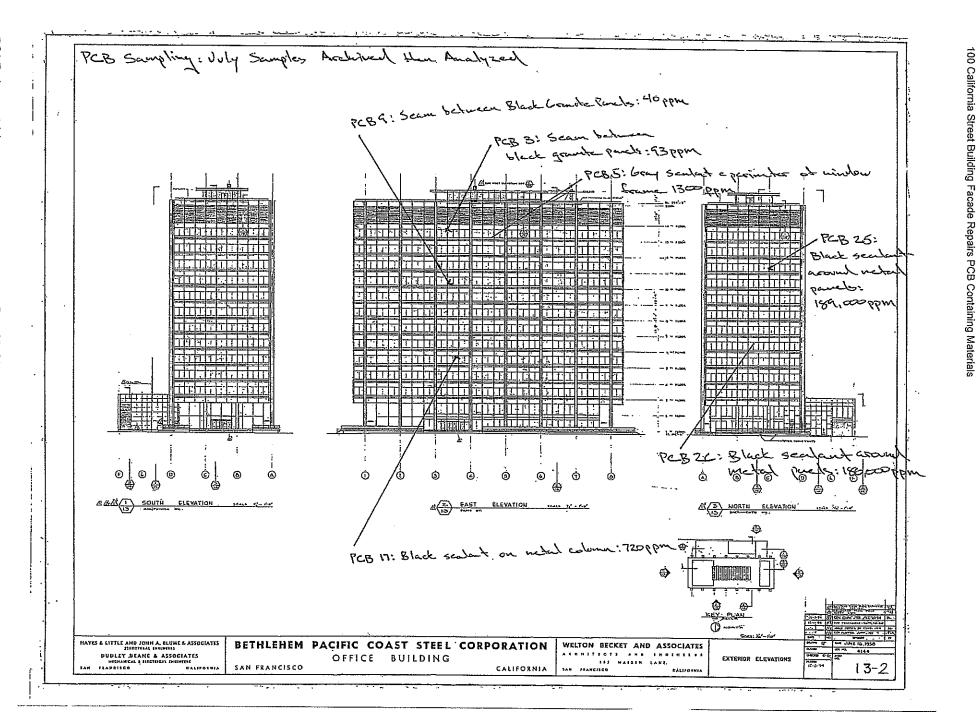
Attachment E

Sample Locations





100 California Street Building Facade Repairs PCB Containing Materials



Attachment G

Bulk Sampling Data

McCampbell A	· · · · · · · · · · · · · · · · · · ·	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269							
RGA Environmental	Client Project ID: #BRES	21720; 100	Date Sampled:	07/21/09					
1466 66th Street	California Street		Date Received:	07/22/09					
Emeryville, CA 94608	Client Contact: Bob Gils		Date Reported:	07/30/09					
Emolyvino, Ozi 24000	Client P.O.:		Date Completed:	07/30/09					

WorkOrder: 0907563

July 30, 2009

Dear Bob:

Enclosed within are:

- 1) The results of the 9 analyzed samples from your project: #BRES 21720; 100 California Street
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.

McCamp	bell Ar		cal, In	<u>c.</u>		Web; www.mccamp		94565-1701 @mccampbell.c 5-252-9269	om
RGA Environmental				-	BRES	21720; 100	Date Sampled:	07/21/09	
1466 66th Street			Californi	a Street			Date Received:	07/22/09	
		Client Contact: Bob Gils Date Extracted:							
Emeryville, CA 94608			Client P.	0.:			Date Analyzed	07/28/09	
Extraction Method: SW3550C	P	olychloi		phenyls (P	•	Aroclors by GC-l	ECD*	Work Order:	0007563
Extraction Method, 3w3330C	Lab ID	09075	63-003A	0907563		0907563-011A		Work Order.	0,07,303
	Client ID	P	CB-3	PCB-	.9	PCB-17			Limit for
	Matrix		S	S		S			
	DF		50	20		200		S	W
Compound				mg/kg	ug/L				
Aroclor1016		N	D<27	ND<	12	ND<140		0.025	NA
Aroclor1221		NI	D<27	ND<	12	ND<140		0.025	NA
Aroclor1232		NI	O<27	ND<	12	ND<140		0.025	NA
Aroclor1242		NI	O<27	ND<	12	ND<140		0.025	NA
Aroclor1248		NI	O<27	ND<	12	ND<140		0.025	NA
Aroclor1254			93	40		720		0.025	NA
Aroclor1260		NI	O<27	ND<	12	ND<140		0.025	NA
PCBs, total			93	40		720		0,025	NA
%SS:			#	#	#				
Comments			h4	h4		h4			
* water samples in µg/L, soil/s samples and all TCLP & SPL					in μg/w	ipe, filter samples ir	μg/filter, product/oi	l/non-aqueou	s liquid

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

07.13.2010

RGA Environmental, Inc. Page 38 of 177

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell Ar "When Quality		ıc.	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269												
RGA Environmental	Client Pr	oject ID: #BRES	21720; 100	Date Sampled:	07/21/09										
	Californi	ia Street		Date Received	07/22/09										
1466 66th Street	Client C	ontact: Bob Gils		Date Extracted	07/22/09										
Emeryville, CA 94608	Client P.	n ·		Date Analyzed	07/24/09-01	7/27/00									
Emery vine, Ort 54000				Date Analyzed	07124/05-0	1121109									
	C	CAM / CCR 17 M	etals*												
Lab ID	0907563-001A	0907563-005A	0907563-009A	0907563-013A	Reporting Li	mit for DF =1:									
Client ID	PCB-1	PCB-7	PCB-13	PCB-19	ND means	not detected porting limit									
Matrix	S	S	S	S	s	w									
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L									
A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	ICP-MS Metals, Concentration*														
Analytical Method: 6020A Dilution Factor	1	action Method: SW30	1 1	1	Work Order:	0907563									
Antimony	ND<0.76	ND<0.94	ND	ND	0.5	NA									
Arsenic	ND<0.76	ND<0.94	ND	ND	0.5	NA NA									
Barium	ND<7.6	130	780	ND	5.0	NA									
Beryllium	ND<0.76	ND<0.94	ND	ND	0.5	NA									
Cadmium	0.47	1,4	ND	0.73	0.25	NA									
Chromium	3,6	55	0.65	ND	0,5	NA									
Cobalt (ND<0.76	2.4	ND	ND	0,5	NA									
Copper	1,6	31	0.71	0.61	0.5	NA									
Lead	4,5	94	2.4	16	0.5	NA									
Mercury	ND<0.076	0.10	0.084	ND	0.05	NA									
Molybdenum	ND<0.76	ND<0.94	ND	ND	0.5	NA									
Nickel	2.0	16	ND	ND	0,5	NA									
Selenium	ND<0.76	ND<0.94	ND	ND	0.5	NA									
Silver	ND<0.76	ND<0.94	ND	ND	0.5	NA									
Thallium	ND<0.76	ND<0.94	ND	ND	0.5	NA									
Vanadium	ND<0.76	ND<0.94	ND	ND	0.5	NA									
Zinc	ND<7.6	81	5.1	ND	5.0	NA									
%SS:	104	144	141	136											
	N-1944A			With APPRICATION CO. AND CO.		•									
Comments	a7	c1,a7	cl	c1		124									

^{*}water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

a7) reporting limit raised due to insufficient sample amount

c1) estimated value due to high surrogate recovery, caused by matrix interference.

Angela Rydelius, Lab Manager

McCampbell Ar "When Quality		<u>ıc.</u>	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269							
RGA Environmental		roject ID: #	BRES 2	21720; 100	Date Sampled: 07/21/09					
1466 664 60	Californ	ia Street			Date Received	Date Received 07/22/09				
1466 66th Street	Client C	ontact: Bo	b Gils		Date Extracted	07/22/09				
Emeryville, CA 94608	Client P.	O.:		:	Date Analyzed	07/24/09-07	7/27/09			
	(CAM / CCR	17 Me	tals*		, 				
Lab ID	0907563-015A	0907563-	0174		l	<u> </u>				
Client ID	PCB-21	PCB-				ND means i	mit for DF =1; not detected eporting limit			
Matrix	S	S				s	w			
Extraction Type	TOTAL	TOTA	AL.	<u>'</u>		mg/Kg	mg/L			
Analytical Method: 6020A		MS Metals, raction Method				Work Order:	0907563			
Dilution Factor	I	1				11	1			
Antimony	ND	ND<0.	71			0:5	NA			
Arsenic	ND	ND<0.	71			0.5	NA			
Barium	160	1100)			5.0	NA			
Beryllium	ND	ND<0.	71			0.5	NA			
Cadmium	1.3	ND<0.	36			0.25	NA			
Chromium	63	1.1			•	0.5	NA			
Cobalt	2.7	ND<0.	71			0.5	NA			
Copper	54	1.9				0.5	NA			
Lead	150	6.3				0.5	NA			
Mercury	0,13	0.10				0.05	NA			
Molybdenum	0.78	ND<0.	71			0,5	NA			
Nickel	16	0.97				0,5	NA			
Selenium	ND	ND<0.	71			0.5	NA			
Silver	ND	ND<0.	71			0.5	NA			
Thallium	ND	ND<0.	71			0.5	NA			
Vanadium	0.70	0.73				0.5	NA			
Zinc	110	12				5.0	NA			
%SS:	121	140		and a street of the street of						
										
Commants	<u></u>	01.0	, 1			T				

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

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a7) reporting limit raised due to insufficient sample amount

c1) estimated value due to high surrogate recovery, caused by matrix interference.

Angela Rydelius, Lab Manager

0907563

31/1	J/T	A					En	viro	onm	en	tal	SA	MPLE DATA SHEET
ENVIRON _PM - S. Steiner steff@rqaenv.co fax: 510.899.705	m	L	ka	rin@rin	. Schroel gaenv.co).899,706	m ken@rgaenv.com							PAGE 1 OF 5
PM = 8. Weisbrod@ brent.weisbrod@ fax: 510.899,706	rgaenv.con	1	te	dd@t	Kattchee qaenv.co 0.899.70	m bob@rgaenv.com							
Project Name/Ac	ldress:	00	Ca	1.2	war to hade	u St			P	0#:			
RGA Project #:_						Sampled By: Miles &			Sa	mplir	ig Da	te:	7/21/09
Sample(s) Sent T	o [EM	Lab		☐ Oth	ier: & Ma Compbell		Furnarou					_24-HrStandard
FAX OR E-M ADDITIONA						ABOVE PROJECT MANAGER (PM) Shippi (S):	ng Re	quirem	ents:	_Prio	rity	_Sta	indard Overnight2-Day
Sample I.D.	Туре			amp crip	le tion	Sample Location			or	LIMIT	P. P. B.		Analysis
		Air	Bulk	Swab	Tape Lift		Time (min)	Flow Rate (LPM)	Volume (L) or Area (cm²)	Culture CRIMITY	Birect-Exam	Hold	
PCB-1						HARFIC Crante to Vest Column 1)	and the same of th			X			
PCB-Z						14th FlacE side above alone lowered 2)				Andrew or other		X	
ic8 3						14 th F(E side (3)					X		
Death		- company											
PCB-5		Transition of the last	of the same of the			12 th F1 E side (6)						X	
200													
PCB 7						121 FI E sid- (8)				X			
Relinquished By Received By: (Y) Relinquished By	aria		00	jas Do		Signature: Signature: Signature:	ea	1	_0	-	_ Da	te/Tin te/Tin	me:7/22/09 0800
Received By:	barries and district and an artist and an artist and artist	HEA DEC	D SP	ACE A	ED IN LA	CONTAINERS Signature:	EALE	D & IN	TACT VI	AG.	Da	te/Tin	

A	1000	Ten.
~	126	Δ
	ICUI	T

ENVIRONMENTAL

_PM - S. Steiner steff@rgaenv.com fax: 510.899.7051

PM - B. Weisbrod brent weisbrod@rgaenv.com _PM - K. Schroeter karin@rgaenv.com fax: 510.899.7063

__PM - T. Kattchee

__PM – K. Pilgrim ken@rgaenv.com fax: 510.899.7053

PM - B. Gils bob@rgaenv.com fax: 510.899.7066

Environmental SAMPLE DATA SHEET

PAGE Z OF 5

brent.weisbrod@ fax: 510.899.706		1	<u>te</u> fa	dd@r x: 510	qaenv.co 0.899.70	bob@rqaenv.com fax: 510.899.7050							
Project Name/Ac	idress: 1	OC	21	Ca	lif 20	ornia Street Sampled By:				O#:	ng Da	te:_7	-21-09
Sample(s) Sent T	`o [EM	Lab		Oti	er: McRampbell		Turnaro					24-Hr Standard
FAX OR E-M ADDITIONA						ABOVE PROJECT MANAGER (PM) (S):	Shipping R	equirem	ents:	_Prio	rity .	_Sta	andard Overnight2-Day
Sample I.D.	Туре			amp erip	le	Sample Location	Total Control of Contr		or	MIN	PRB		Analysis
	Andrewski statement statem	Air	Bulk	Swab	Tape Lift		Time (min)	Flow Rate (LPM)	Volume (L) or Area (cm²)	Culture CHIMIT	Direct-Even 7	Ногр	
PCB-8						8th FI E side (1)						X	
PCB-9						8th FIE side (3)					X		
2000						EN THE	White the second						
Daniel			-										
PCB-12		District ven				4m FI E4 side (1)	-					X	
PCB-13						THE FI E side (3)				X			
Resid							- Land		The state of the s	<u> </u>			
Relinquished By Received By: Relinquished By Received By:	:	R	PC	Di.	rbe	Signature: Signature: Signature: Signature:	LP hua	2-	8		_ Da _ Da	te/Tir te/Tin	me: 7/21/09 ne: 7/21/09 ne: 7/22/09 0800

ENVIRON PM – S. Steiner steff@rqaenv.cc fax: 510.899.701 PM – B. Weisbr brent.weisbrod@ fax: 510.899.706	om 51 od <u>Orgaenv</u> , con		kari fax: _PM -	n@ro : 510. – T. K d@ro	Schroete laenv.co 899.706 (attchee aenv.coi 899.707				En	vir	onm	ien	ta	I sa	MPLE DATA SHEET PAGE 3_OF 5
Project Name/Ac RGA Project #:_				2a	li fo		MA D				F	0#:_			
				10		Sampled By:						amplir			
Sample(s) Sent T	_	EM I			Oth	ACTION AND ADDRESS OF THE PARTY		_				0.750	77	-	_24-Hr _ (Standard)
ADDITIONA	L REP	ORT	REC	O:	SEE I	ABOVE PROJECT MAI S):	NAGER (PM)	Shippi	ng Re	quirem	ents:	Prio	rity	_Str	andard Overnight _2-Day
Sample I.D.	Type	and the same of		mpl		Sample Location						E	1 a		Analysis
		I)esci	ript	ion						Jo	1	2		
				-	Œ.	×			min)	ate	e (L)	2	Бжан	10	
		Air	Bulk	Swab	Tape Lift	Application of the control of the co			Time (min)	Flow Rate (LPM)	Volume (L) or Area (cm²)	Gulture-CA:M	Sirect-Exam PC	HOLL	The state of the s
Paga						What I side							-		
PCB-16						4 m FI E cide	(9)			-				X	
PCB-17						4th FI = side	(14)				34.		X		
DCB-18			_			1216 FI E 51Je	(10)							X	
PCB-19			-	The state of state and		14th FI W sid.	e ()					X			
PCB 20			and the same			HIL FI N Side	-(10)							X	
PCB-21						loth FI N std	12 (9)					X			
Relinquished By	M.	ke-	3				Signature:		7				Do	te/Tin	me: 7/21/09
Received By:	P	PO	21	U	£x_		Signature:	P	0					te/Tin	
Relinquished By:		Ve	ne	cja	5		Signature:	7/11/11	-	7/				e/Tim	10: 1/21/07

A	Tree.	- Second	70.
2	151		
	IN		

ENVIRONMENTAL

PM - S. Steiner steff@rgaenv.com fax: 510.899.7051 PM – K. Schroeter karin@rqaenv.com fax: 510,899,7063 PM - K. Pilgrim ken@rgaenv.com fax: 510.899.7053 Environmental sample data sheet

PAGE 4 OF 5

__PM - B. Weisbrod brent.weisbrod@rgaenv.com fax: 510.899.7062 __PM - T. Kattchee ledd@rgaenv.com fax: 510.899.7070 bob@rgaenv.com fax: 510.899,7050

Project Name/Ac	ldress:	10	0	(al	ifornia Street PO#:
RGA Project #:_	BRES	50		72	0	Sampled By: MTS . Sampling Date: 7/21/69
Sample(s) Sent T					Oti	her: McRambell Turnaround Time: Rush 24-Hr (Standard)
						ABOVE PROJECT MANAGER (PM) Shipping Requirements:PriorityStandard Overnight2-Da
ADDITIONA	L REPO	ORT	RE	CIP	TENT	C(S):
Sample I.D.	Type		S	amp	le	Sample Location \(\sigma \sqrt{\sigma}\) Analysis
		_	Des	crip	tion	1 2 \(\overline{2} \big \big \)
	A Terapapa Andra principala andra An	Air	Buſk	Swab	Tape Lift	Sample Location Flow Rate (LPM) Volume (L) or Area (cmf.) Purcet Exam RB HOLD Aualysis
PCB-22						10th FI Al side (1)
PC8-Z3						10th F1 N side (3)
1				- April		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
PCB-25				-		10th Fl N side (ap)(11)
PCB-26						SINFI Aside (11)
PCB-27						5 4 Fl N side (9) X
A						STORE CONTRACTOR OF THE STORE
Relinquished By Received By: Relinquished By	P	u, b	a	3	ter	Signature: Signature: Date/Time: 7/2 locq Date/Time: 7/2 locq Date/Time: 7/2 locq
Received By:		66	- 1	14	nego	

		- Contract of the Contract of												
ENVIRONI PM-S. Steiner steff@rgaenv.co	em	A L			. Schroe			En	vir	onm	en	ta]	l sa	MPLE DATA SHEET
fax: 510.899.705	51				0.899.70	63 fax: 510.899,7053								
PM = B. Weisbro brent.weisbrod@ fax: 510.899.706	grgaenv.com	0	te	dd@r	Kattche gaenv.c 0.899,70	om Toob@rgaenv.com		Materials					N.	
Project Name/Ac	ldress:	00)	Ca	lif	ornia Street				P	0 # :			
RGA Project #:_	BRE		2	17	20	Sampled By:								
Sample(s) Sent T	o [EM	Lab		□ Ot	her:								24-HrStandard
FAX OR E-M ADDITIONA	IAIL RI L REPO	ORT.	RE	TO:	SEE	ABOVE PROJECT MANAGER (PM	f) Shipp	ing Re	quirem	ents:	_Prio	rity	_Sta	indard Overnight2-Day
Sample I.D.	Type			amp crip		Sample Location				or				Analysis
	the state of the s	Air	Bulk	Swab	Tape Lift			Time (min)	Flow Rate (LPM)	Volume (L) or Area (cm²)	Culture	Direct Exam	HOLD	
PCB-29		-				3rd FIN side (11)					The state of the s		X	
			Professional Parketine company											
		of the same of the	de states expenses				A CONTRACTOR OF THE PARTY OF TH			- 1				
													- I	
Relinquished By	· n	r de	- 7	3		Signature		3_					4 757	Yzıla
Received By:			Po	the	1e	Signature		PX				_ Da	te/Tin	16: 7/2/08
Received By:	Taria	Ven	ea	95		Signature	The state of the s	itu		11	_	_Dat	e/Tim	10: 7/27/69 (10N)



McCampbell Analytical. Inc.

"Wood Guality Counts"

1534 Willow Pees Road, Pittsburg, CA 94565-1701 Web www.meesuphell.com E-mail: mainiguatesuphell.com Telephone: 577-252-9267 Fee: 925-292-9269

WORK ORDER SUMMARY

Client Name: RGA ENVIRONMENTAL

Project:

Comments:

#BRES 21720; 100 California Street

QC Level: LEVEL2 Client Contact: Bob Gils

Contact's Email: bob@rgaenv.com

Work Order: 0907563

Date Received: 07/22/09

		□WriteOn		☐ Excel	□ r:	ex 🛚 Èmay i	∏HerdCopy	∏TnirdParty	∏J•fləş			
Lah ID	Client ID		Matrix	Test Name		Number of Containers	Bottle & P	reservative	Collection Date & Time	TAT	Sediment Content	Hold SubOut
0907563-001A	PCB-1		Solid	EPA 3082 (FCB	Only)	- CAN'17 1	F	leg = 1	7/23/2009	5 days		
6907563-692A	PCB-2		Solid	EPA 3032 (PC8	Only)	ARCHIVE 1	13	kag	7/21/2009	5 days		
0907563-003A	PC9-3		Solid	EPA 3032 (PCB	Only)	PCB 1	3	25	7/21/2009	5 days		- Z
0907563-004A	PCB-5		Solid	EPA \$0\$2 (PCB	Only)	ARCHIVE !	3	io <u>z</u>	7/21/2009	ž days		
0907563-005A	PCB-7		Solid	EPA 8082 (PCB	Only)	-CFM-17-1		a <u>e</u>	7/21/2009	5 days		
0907563-006A	PCB-S		Solid	EPA SOS2 (PCB	On(y)	ARCHIVEL		14	7/21/2009	5 days		
0907563-007A	PCB-9		Soird	EPA 8082 (PCB	Only)	MCB		32	7/21/2009	3 days		<u> </u>
0907563-008A	PC3-12		Solid	EPA 8032 (PCB)	Only)	ARCHIOC		32	7/21/2009	5 days		
0907563-009A	PCB-13	# Markey	Solid	EPA 8082 (PCH)	Only)	CAM-17		62	7/21/2009	5 days	······································	
0907563-010A	PCB-16		Salid	FPA 8082 (PCB)	Only)	ARCHIVE		- <u>-</u>	7/21/2009	S days		
0907563-011A	PCB-17		Solid	EPA 8082 (PCB (Jaly)	PC-B		20;	7/21/2009	5 days		
0997563-012A	PCB-18		Spiid	epa sosz ipch (Only)	AKCHIVE	8	žų.	7/21/2009	5 days		
0907563-913A	PCB-19		Solid	EPA 8032 (PCB (Onlyl	CAM-17 1	В	B2	7/21/2009	S days		
0907553-014A	PCB-20		Said	EPA 8082 (PCB (Daly)	ARCHIVE	Bi		7/21/2009	5 days		
0907563-015A	PCB-21	- And the state of	Solid	EPA 8082 (PCB 6	Onlyl	CAM-17	3:		7/21/2009	S days		
0907565-016A	PCB-Z2		Solid	EFA SOS3 (PCB (nly)	ARCHIVE	8:		7/21/2009	5 days		
0907563-017A	PC9-23	· · · · · · · · · · · · · · · · · · ·	Solid	EPA 8082 (PCB (Dniy)	CAM-17 1	Ba	····	7/21/2009	5 days		
0907563-018A	PCB-25		Solid	EPA \$982 (PCB (/aly)	ARCHIOC!	Be		7/21/2009	5 days		

Boitle	ľ	egene	1

change Assessment Robert E. Gils Robert E. A. 7-22-09

1 of 2



McCampbell Analytical, Inc.

"When Quality Counts"

1554 Willow Pars Road, Pintburg, CA 94555-1781 Web www.mocampbell.com E-mail: mainfamecompbell.com Telephone: \$77-251-9261 Fave 915-251-9269

WORK ORDER SUMMARY

Client Name: RGA ENVIRONMENTAL

Project:

#BRES 21720; 100 California Street

Comments:

QC Level: LEVEL2

Client Contact: Beb Gils

Contact's Email: bob@rgaenv.com

Work Order: 0907563

Date Received: 07/22/09

		□WriteOn		☐ Excel ☐] Fax	⊠ Email	∏HardCopy	TringPany	∏J-ñag		
Lab ID	Client ID		Matrix	Test Name		Number of Containers	C-0111- C4 X	reservative	Collection Date & Time	TAT	Sediment Hold SubOut
0907563-019A	PCB-26		Salid	EPA 8082 (PCB Only	1	ARCHIVE!	8	2 9	7/21/2009	5 days	П
0907563-020A	PCB-27		Solid	EPA \$952 (PCB Only))	ARCHIUC	D,	¢Ę	7/21/2009	5 days	
0907563-021A	PCB-29		Solid	EPA 8082 (PCB Only)) ,	ARCHIVE	В	rΞ	7/21/2009	5 days	

Change Assessment Robert & Gils Rutust & AS 7-22-09

Bottle Legend:

টার্চ ≃

Page 2 of 2

McCampbell Analytical, Inc.



1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Pittsburg, C. (925) 252-9						Work	Order	09075	563	(Client	Code: I	RGAE				
, , , , , , , , , , , , , , , , , , ,			☐ WriteOn	☐ EDF		Excel		Fax		☑ Email		Har	dCopy	☐ Thi	irdParty	J.	-flag
1466 66th Stree Emeryville, CA	Bob Gils			com); 100 California	Street		RO 14 En	drea Pe SA Envir 66 66th neryville voices@	ronmer Street , CA 9	4608			Dat		eived:	5 07/22/ 07/22/	
									Req	uested	Tests	(See le	gend t	oelow)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0907563-001	PCB-1		Solid	7/21/2009		1	А	<u> </u>			1	1	†	T	T	T	1
0907563-003	PCB-3		Solid	7/21/2009	愩	Α				1					+	+	<u> </u>
0907563-005	PCB-7		Solid	7/21/2009			Α						_	1	1	1	1
0907563-007	PCB-9		Solid	7/21/2009		Α									1	1	†——
0907563-009	PCB-13		Solid	7/21/2009			Α						1		1	1	\vdash
0907563-011	PCB-17		Solid	7/21/2009		Α		İ			İ				<u> </u>		
0907563-013	PCB-19		Solid	7/21/2009			Α							1	1	1	
0907563-015	PCB-21		Solid	7/21/2009			Α							1	1	1	T
0907563-017	PCB-23		Solid	7/21/2009			Α										
Test Legend: 1 8082A_PCB_ 6 11	Solid 2 7 7 12	CAM17M	S_Solid	8	·			4						5 10			
	·												Prep	ared by:	: Mari	a Veneg	as
Comments:	Changes made 7/22/09	3:30pm															

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	RGA Environr	nental			Date	and Time Received:	07/22/09	3:30:45 AM
Project Name:	#BRES 21720;	100 California Stree	et		Chec	klist completed and r	eviewed by:	Maria Venegas
WorkOrder N°:	0907563	Matrix Solid			Carrie	er: <u>Golden State C</u>	<u>Overnight</u>	
	•	<u>Chair</u>	of Cu	ıstody (C	OC) Inform	ation		
Chain of custody	present?		Yes	V	№ □			
Chain of custody	signed when relir	quished and received?	Yes	V	No 🗆			
Chain of custody	agrees with samp	le labels?	Yes	V	No 🗆			
Sample IDs noted	by Client on COC		Yes	V	№ □			
Date and Time of	collection noted by	Client on COC?	Yes	✓	No 🗆			
Sampler's name n	noted on COC?		Yes		No 🔽			
		S	ample	Receipt	Information	1		
Custody seals int	act on shipping co	ntainer/cooler?	Yes		No □	-	NA 🔽	
Shipping contains	er/cooler in good o	ondition?	Yes	✓	No 🗆		•	
Samples in prope	er containers/bottle	s?	Yes	V	No □			
Sample container	rs intact?		Yes	✓	No □			
Sufficient sample	volume for indicat	ed test?	Yes	V	No 🗌			
		Sample Prese	vatio	n and Hol	d Time (HT) Information		
All samples receive	ved within holding	time?	Yes	✓	No 🗆			
Container/Temp B	lank temperature		Coole	r Temp:			NA 🗹	•
Water - VOA vials	s have zero heads	pace / no bubbles?	Yes		No 🗆	No VOA vials submi	tted 🗹	
Sample labels che	ecked for correct p	reservation?	Yes	V	No 🔲			
TTLC Metal - pH a	acceptable upon re	ceipt (pH<2)?	Yes		№ □		NA 🗹	
Samples Received	d on Ice?		Yes		No 🗹			
* NOTE: If the "No	o" box is checked, 	see comments below.					. — — — —	
								- — — <u>— — — — — — — — — — — — — — — — —</u>
Client contacted:		Date contacte	ed:			Contacted I	ру:	
Comments:								



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 44694

WorkOrder 0907563

EPA Method SW8082	Extra	ction SW	3550C					5	Spiked Sar	nple ID	: 0907605-0	04A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%))
7 Walyto	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	130	121	6.93	111	114	2.24	70 - 130	20	70 - 130	20
%SS:	118	0.050	115	114	0.517	120	121	0.812	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 44694 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0907563-003A	07/21/09	07/22/09	07/28/09 1:25 AM	0907563-007A	07/21/09	07/22/09	07/28/09 2:20 AM
0907563-011A	07/21/09	07/22/09	07/28/09 3:15 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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A QA/QC Officer



QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Solid

QC Matrix: Soil

WorkOrder 0907563

EPA Method 6020A			Extrac	tion SW	3050B		BatchID	: 44638	Spiked Sample ID:			0907482-005A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acc	eptanc	e Criteria (%	6)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Antimony	0.99	50	100	99.7	0.471	10	96.5	95.9	0.686	75 - 125	20	75 - 125	20
Arsenic	17	50	93.4	93.7	0.300	10	98.7	99.2	0.526	75 - 125	20	75 - 125	20
Barium	110	500	88.9	88	0.736	100	85.4	84.9	0.634	75 - 125	20	75 - 125	20
Beryllium	0.77	50	99.5	100	0.788	10	103	102	0.585	75 - 125	20	75 - 125	20
Cadmium	ND	50	100	100	0	10	98.2	96.2	2.05	75 - 125	20	75 - 125	20
Chromium	59	50	NR	NR	NR	10	96.4	95.9	0.562	75 - 125	20	75 - 125	20
Cobalt	13	50	86.2	86.4	0.230	10	97.9	95.5	2,52	75 - 125	20	75 - 125	20
Copper	51	50	NR	NR	NR	10	100	101	1.13	75 - 125	20	75 - 125	20
Lead	15	50	93.7	93.4	0.308	10	95.9	95.4	0.429	75 - 125	20	75 - 125	20
Mercury	ND	1.25	83.9	84.1	0.278	0.25	79.7	81.4	2,13	75 - 125	20	75 - 125	20
Molybdenum	0.87	50	96.6	96.4	0.244	10	93.9	93.6	0.235	75 - 125	20	75 - 125	20
Nickel	56	50	NR	NR	NR	10	97.3	97,3	0	75 - 125	20	75 - 125	20
Selenium	0.72	50	96.3	102	5.20	10	100	99.2	0.873	75 - 125	20	75 - 125	20
Silver	ND	50	122	122	0	10	120	120	0	75 - 125	20	75 - 125	20
Thallium	ОИ	50	93.9	93.4	0.595	10	91.7	91.2	0.612	75 - 125	20	75 - 125	20
Vanadium	68	50	NR	NR	NR	10	97.2	97.3	0.0926	75 - 125	20	75 - 125	20
Zinc	110	500	97.5	96.6	0.777	100	98.2	99	0.720	75 - 125	20	75 - 125	20
%SS:	109	250	92	91	0.481	250	97	96	1.24	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 44638 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0907563-001A	 07/21/09	07/22/09	07/24/09 7:12 PM	0907563-005A	07/21/09	07/22/09	07/24/09 7:20 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

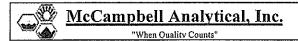
DHS ELAP Certification 1644

A QA/QC Officer

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RGA Environmental, Inc.

07.13.2010



QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Solid

QC Matrix: Soil

WorkOrder 0907563

EPA Method 6020A			Extract	tion SW:	3050B	BatchID: 44676			Spiked Sample ID:			0907539-007A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acc	ceptance Criteria (%)			
, mary to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD	
Antimony	1.2	50	116	104	11.0	10	96.9	95.4	1.57	75 - 125	20	75 - 125	20	
Arsenic	10	50	109	97.2	9.83	10	95.9	95.6	0,227	75 - 125	20	75 - 125	20	
Barium	170	500	102	88, <i>5</i>	10,8	100	85.4	84.4	1.24	75 - 125	20	75 - 125	20	
Beryllium	ND	50	109	98.6	9.75	10	105	104	0,863	75 - 125	20	75 - 125	20	
Cadmium	ND	50	112	101	10.6	10	98.4	96.8	1.63	75 - 125	20	75 - 125	20	
Chromium	27	50	102	86.5	10,2	10	95.9	95.3	0.575	75 - 125	20	75 - 125	20	
Cobalt	8,1	50	102	91.5	9.64	10	96.8	96.3	0.528	75 - 125	20	75 - 125	20	
Copper	20	50	107	92.8	9.94	10	97.7	97.8	0.0808	75 - 125	20	75 - 125	20	
Lead	9.1	50	109	95.4	, 11.1	10	96.8	95.9	0.934	75 - 125	20	75 - 125	20	
Mercury	ND	1.25	110	98.7	10.8	0.25	80.6	80.4	0.199	75 - 125	20	75 - 125	20	
Molybdenum	0.89	50	109	97.8	10.6	10	93.2	92.9	0.387	75 - 125	20	75 - 125	20	
Nickel	20	50	106	91.9	10.1	10	95.8	96,2	0.375	75 - 125	20	75 - 125	20	
Selenium	ND	50	118	103	13.5	10	99	99.2	0.283	75 - 125	20	75 - 125	20	
Silver	ND	50	114	104	9,49	10	122	119	2.33	75 - 125	20	75 - 125	20	
Thallium	ND	50	115	101	12.7	10	92.3	90.7	1.76	75 - 125	20	75 - 125	20	
Vanadium	43	50	98.8	79.8	10.9	10	96.7	96	0.727	75 - 125	20	75 - 125	20	
Zinc	59	500	110	97.8	10.3	100	98.7	97.8	0.947	75 - 125	20	75 - 125	20	
%SS:	132	250	117	104	11.3	250	96	95	1.39	70 - 130	20	70 - 130	20	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 44676 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0907563-009A	07/21/09	07/22/09	07/27/09 5:47 PM	0907563-013A	07/21/09	07/22/09	07/27/09 5:56 PM
0907563-015A	07/21/09	07/22/09	07/24/09 6:49 PM	0907563-015A	07/21/09	07/22/09	07/24/09 6:56 PM
0907563-017A	07/21/09	07/22/09	07/24/09 7:27 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

RGA Environmental, Inc. Page 52 of 177 07.13.2010

/ A \	l Analytical, Inc. Ouality Counts"	Web; www.i	/illow Pass Road, Pittsburg, CA 94565-1701 mccampbell.com E-mail: main@mccampbell.com phone: 877-252-9262 Fax: 925-252-9269
RGA Environmental	Client Project ID: #BRES 2		Date Sampled: 07/27/09
1466 66th Street	Replacement, 100 California	·	Date Received: 07/27/09
Emeryville, CA 94608	Client Contact: Bob Gils		Date Reported: 08/04/09
Elitery vines, Or 1 3 1000	Client P.O.:		Date Completed: 08/04/09

WorkOrder: 0907685

August 04, 2009

Dear Bob:

Enclosed within are:

- 1) The results of the 11 analyzed samples from your project: #BRES 21720; Sealant Replacement,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager

McCampbell Analytical, Inc.

McCampbell An "When Quality		<u>c.</u>		Web; www.mccamp	ass Road, Pittsburg, CA bell.com E-mail; main 77-252-9262 Fax; 92		om			
RGA Environmental		oject ID: #I			Date Sampled:	07/27/09				
1466 66th Street	Sealant I	Replacement	:, 100 (California	Date Received:	07/27/09				
1 100 Oom Sweet	Client C	ontact: Bob	Gils		Date Extracted:	07/27/09				
Emeryville, CA 94608	Client P.	O.:			Date Analyzed	07/31/09-0	8/03/09			
Po	lychlorinated Bi	phenyls (PC	CBs) A	roclors by GC-I	ECD*					
Extraction Method: SW3550C	Ana	lytical Method:	SW808	2		Work Order:	0907685			
Lab ID	0907685-001A	0907685-0	02A	0907685-003A	0907685-004A					
Client ID	PCB-30	PCB-31	1	PCB-32	PCB-33	Reporting Limit f				
Matrix	S	S		S	S					
DF	500	10000		10	20	S W				
Compound			Conce	entration		mg/kg	ug/L			
Aroclor1016	ND<250	ND<680	00	ND<15	ND<19	0.025	NA			
Aroclor1221	ND<250	ND<680	00	ND<15	ND<19	0.025	NA			
Aroclor1232	ND<250	ND<680	00	ND<15	ND<19	0.025	NA			
Aroclor1242	ND<250	ND<680	00	ND<15	ND<19	0.025	NA			
Aroclor1248	ND<250	ND<680	00	ND<15	ND<19	0.025	NA			
Aroclor1254	1000	23,000		50	28	0.025	NA			
Aroclor1260	ND<250	ND<680	00	34	ND<19	0.025	NA			
PCBs, total	1000	23,000		84	28	0,025 NA				
	Surr	ogate Recov	veries	(%)	The state of the s	odfator of the addition and by	4			
%SS:	#	#		119 ,	114					
Comments	h4	h4		h4	h4					

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

h4) sulfuric acid permanganate (EPA 3665) cleanup

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Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 54 of 177 07.13.2010

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell A		al, In	c.		Web; www.mccamp	'ass Road, Pittsburg, C bell.com E-mail: mai	n@mccampbell.	com
"When Oualit		Cliant Dr	oject ID: #	ים מס			07/27/00	
TOT ZIN NORMAN			Replacemer			Date Sampled:	07/27/09	
1466 66th Street						Date Received:	07/27/09	
	ļ	Client C	ontact: Bo	b Gils		Date Extracted:	07/27/09	
Emeryville, CA 94608		Client P.	O.:			Date Analyzed	07/31/09-0	8/03/09
P	olychlorir	nated Bi	phenyls (P	CBs) A	roclors by GC-I	ECD*		
Extraction Method: SW3550C			ytical Method:	SW808	2		Work Order:	0907685
Lab ID	0907685	5-005A	0907685-	006A	0907685-007A	0907685-008A		
Client ID	PCB-36	PCB-37		Limit for =1				
Matrix	S		S		S	S		
DF	20	0	1000		10	10000	S	W
Compound				Conce	entration		mg/kg	ug/L
Aroclor1016	ND<	<10	ND<50	00	ND<16	ND<8600	0.025	NA
Aroclor1221	ND<	<10	ND<50	10	ND<16	ND<8600	0.025	NA
Aroclor1232	ND<	<10	ND<50	10	ND<16	ND<8600	0.025	NA
Aroclor1242	ND<	10	ND<50	0	ND<16	ND<8600	0.025	NA
Arocior1248	ND<	:10	ND<50	0	ND<16	ND<8600	0.025	NA
Aroclor1254	21		3200		46	13,000	0.025	NA
Aroclor1260	ND<	10	1500		42	ND<8600	0.025	NA
PCBs, total	21		4700		88	13,000	0.025	NA
		Surro	gate Reco	veries	(%)		y,y	
%SS:	100	0	#		#	#		
Comments	l14		h4		h4	h4		
water samples in µg/L, soil/sludge/solid amples and all TCLP & SPLP extracts a	re reported	in mg/L.					/non-aqueous	liquid
surrogate diluted out of range or surrogate								
4) sulfuric acid permanganate (EPA 366	5) cleanup							

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 55 of 177 07.13.2010

McCampbell A		ical, In	<u>c.</u>		Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: main 77-252-9262 Fax: 92	@mccampbell.c	om
RGA Environmental			oject ID: 3			Date Sampled:	07/27/09	
1466.661.06		Sealant F	Replaceme	nt, 100	California	Date Received:	07/27/09	
1466 66th Street		Client C	ontact: Bo	b Gils		Date Extracted:	07/27/09	
Emeryville, CA 94608		Client P.	O.:			Date Analyzed	07/31/09-0	8/03/09
	Polychlo	rinated Bi	ohenvls (P	CBs) A	roclors by GC-I	ECD*		· · · · · · · · · · · · · · · · · · ·
Extraction Method: SW3550C	J		ytical Method	•	-		Work Order:	0907685
Lab II								
Client II	P	CB-38	PCB-	39	PCB-40			Limit for
Matri	x	S	S		S]	
D	7	200	1000	0	10		S	W
Compound				Conce	entration	1	mg/kg	ug/L
Aroclor1016	N	D<100	ND<9	80	ND<15		0.025	NA
Aroclor1221	N	D<100	ND<9	80	ND<15		0.025	NA
Aroclor1232	N	D<100	ND<9	80	ND<15		0.025	NA
Aroclor1242	N]	D<100	ND<9	80	ND<15		0.025	NA
Aroclor1248	N1	D<100	ND<9	80	ND<15		0.025	NA
Aroclor1254		350	2200)	96		0.025	NA
Aroclor1260		150	ND<9	80	68		0.025	NA
PCBs, total		500	2200)	164		0.025	NA
		Surr	ogate Rec	overie	s (%)	on the state of th		
%SS:		#	#		#			
Comments		h4	h4		. h4			
* water samples in µg/L, soil/sludge/sol samples and all TCLP & SPLP extract ND means not detected above the repo	ате герог	ted in mg/L					I/non-aqueou	s liquid

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

ak (L				11.	En	vir	onm	en	tal	SAMPL	E DATA S	HEET
E N V I R O N _PM - S. Steiner steff@rgaenv.cc fax: 510.899.703 _PM - 8. Weisbr brent.weisbrod@ fax: 510.899.705	<u>om</u> 51 od <u>Drasenv.con</u>	F <u>*</u> P	arin@r ax: 510 M – T, edd@r	. Schroete gaenv.co 1.899,706 Kattchee gaenv.co 1.899,707	m <u>ken©rasenv.com</u> 3 fax: 510.899.7053 ✓PM – B. Gils m bob@rgaenv.com				O ⁻⁷⁰	670	8E (AGE <u>\</u> OF	
					cerent 100 California					•				
	BKES	217	2.0		Sampled By: Mike 9	ろ	·····		Sa	mpli	ng Date	: <u> </u>	09	·
Sample(s) Sent T					or: Mertamphell		1	<u>lumaro</u> i	und Time	<u>:</u> _	_Rush	24-14	IrStandare	d
ADDITIONA							ing Re	quirem ——	ents:	_Pric	ority _	_Standare	l Overnight_	_2-Day
Sample I.D.	Type	ŀ	amp scrip		Sample Location GOOD CONDITION APPROFICE HEAD SPACE ABSENT COATA DECHLORINATED IN 148 PRESE PRESERVATION VOAS CALL METALS (ATE YERS V REVED IN LAB OTHER	Time (min)	Flow Rate (LPM)	Volume (L) or Area (cm²)	Culture	Direct Exam	Ans	alysis	Wreat Agreement to the second
PCB-30					14m Fl Wside (2)							F	<u> </u>	
PCB-31					Jun Fl W side (1)		ł						1	
PCB-3Z					Wm Fl. Uside (5)									
RB-33					114 H W side (4-5)									
RB-커					11th Fl. W side (9)									
PCB. 35				**************************************	11th Fl. U side (10)									
PCB-36		U			114 Fl. W side (11)							1	J	
Relipquished By Received By: Relinquished By Received By:		yhe !	3		Signa	ture:	7) <u>V</u>			Date Date	c/Time:/Time:/	7/27/09	<u> </u>

	R	G	A	Ţ
ENVI	RON	ME	NT.	٩L

_PM - S. Steiner sleff@rgaenv.com fax: 510,699,7051

PM - B, Weisbrod

__PM - K. Schroeter kerin@rgsenv.com fax: 510,899,7053

__PM - T, Kattchee

__PM – K. Pilgrim ken@rgaenv.com fax: 510.899,7053

__PM - B. Gils bob@rgaenv.com fax: 510.899.7059

Environmental sample data sheet

PAGE COFC

brent.weisbrod@ fax: 510.899.706	(праелу.сол 2	1	<u>te</u>	dd©r x; 510	gaen 0.899.	v.con	1 <u>bob@rgaenv.com</u> fax: 510.699.7059							L Avelor All Constitution of the Constitution
Project Name/Ad	ldress:	,					····					O#:_		
							Sampled By:							te:
Sample(s) Sent T	`o 🗀	EM	Lab			Othe	r:	_]	Turnaro	ınd Time	<u> </u>	_Rusi	h 24-HrStandard
FAX OR E-M ADDITIONA							ABOVE PROJECT MANAGER (PM) S):	Shippi	ng Re	quirem ——	ents:	_ Prio	rity	_Standard Overnight2-Day
Sample I.D.	Type			amp crip		ı	Sample Location			The state of the s	느			Analysis
		Air	Bulk		Tape Lift	1			Time (min)	Flow Rate (LPM)	Volume (L) or Area (cm²)	Culture	Direct Exam	
PCB-37			火				8th Fl. Wsile U)							PCB
PCB-38							8" H. W sile (3)							
PCB-39							5th Fl. W side (10)							
PCB-40			. ,				5th Fl. W side (11)							<u> </u>
												,		
Relinquished By Received By: Relinquished By Received By:	: 1		3				Signature: Signature: Signature: Signature: Signature:	NP	<u>/</u> w	<u> </u>			Dat Dat	te/Time: 7/27/02 te/Time: 2/27/04 e/Time: 4/27/04

McCampbell Analytical, Inc.

1534 Willow Pass Rd

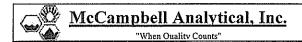
CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Pittsburg (925) 25	, CA 94565-1701 2-9262					Work	Order	0907	685	(ClientC	Code: R	GAE				
		■ WaterTrax	WriteOn	☐ EDF	С]Excel		Fax		☑ Email		Hard	Сору	☐ Thi	rdParty	J.	-flag
Report to: Bob Gils			oob@rgaenv.c	com			Bill to:	idrea Pi	eacock				·Req	uested	TAT:	5	days
RGA Environ 1466 66th St Emeryville, C (510) 547-777	reet A 94608		#BRES 21720 100 California); Sealant Replac	cemen	t,	14 En	GA Envi 66 66th neryville voices@	n Street e, CA 9	: 4608					eived: eted:	07/27/ 07/27/	
L. t. in									Req	uested	Tests	(See le	gend b	elow)			
Lab ID	Clier	it ID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0907685-001	PCE	-30	Solid	7/27/2009		Α	Ī		i "	1		1	T		1	Γ	Т
0907685-002	PCE	-31	Solid	7/27/2009		Α	†		İ					l	 		
0907685-003	PCB	-32	Solid	7/27/2009		A		1		i		-	-		1	 	
0907685-004	PCB	-33	Solid	7/27/2009		Α			İ -					i	 		
0907685-005	PCB	-34	Solid	7/27/2009		Α	-		ĺ					1	1		+
0907685-006	PCE	-35	Solid	7/27/2009		Α								 	 		1
0907685-007	PCE	-36	Solid	7/27/2009		Α							!	i	 		
0907685-008	PCB	-37	Solid	7/27/2009		Α					i				1		
0907685-009	PCE	-38	Solid	7/27/2009		Α								†	 		
0907685-010	PCB	-39	Solid	7/27/2009		Α	· ·								+		+
0907685-011	PCB	-40	Solid	7/27/2009		Α								1		-	
Test Legend: 1 8082A_PC		7 12		8				9						5 10			
													Prepa	red by:	: Meliss	sa Valle	ès

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	RGA Environmen	ıtal					Date a	and Time Received:	7/27/2009	1:54:43 PM
Project Name:	#BRES 21720; Se	ealant R	Replacemen	t, 10	0 Califo	rnia	Check	dist completed and	reviewed by:	Melissa Valles
WorkOrder N°:	0907685	Matrix	Solid				Carrie	r: Rob Pringle (N	(Al Courier)	
			<u>Chain</u>	of Cu	stody (C	OC) I	nforma	ation		
Chain of custody	present?			Yes	V	t	√ 0			
Chain of custody	signed when relinqui	ished and	d received?	Yes	V	١	√o □			
Chain of custody	agrees with sample	labels?		Yes	✓	١	No 🔲			
Sample IDs noted	by Client on COC?			Yes	V	1	40 □			
Date and Time of	collection noted by Cl	ient on CO	OC?	Yes	V	١	№ □			
Sampler's name n	oted on COC?			Yes	V	١	№ □			
			Sa	mple	Receipt	Infor	mation	!		
Custody seals into	act on shipping conta	iner/cool	er?	Yes		1	₩ □		NA 🗹	
Shipping containe	er/cooler in good cond	lition?		Yes	V	١	₩ □			
Samples in prope	r containers/bottles?			Yes	V	١	№ □			•
Sample container	s intact?			Yes	✓	١	₩ □			
Sufficient sample	volume for indicated	test?		Yes	✓	١	№ □			
		<u>Ş</u> aı	mple Preser	vatio	n and Ho	ld Tir	ne (HT)	Information		
All samples receiv	ved within holding tim	e?		Yes	V	1	io 🗆			
Container/Temp B	llank temperature			Coole	er Temp:	5°C			NA 🗆	
Water - VOA vials	s have zero headspa	ce / no bi	ubbles?	Yes		1	№ □	No VOA vials subm	nitted 🗹	
Sample labels che	ecked for correct pre	servation	?	Yes	v	١	ю 🔲			
TTLC Metal - pH a	acceptable upon recei	ipt (pH<2))?	Yes		١	ю 🗆		NA 🗹	
Samples Received	d on Ice?			Yes	✓	١	ю 🗆			
			(Ice Type	: WE	TICE))				
* NOTE: If the "No	o" box is checked, se	ee comme	ents below.							
	=====				===					
Client contacted:		. 1	Date contacte	d:				Contacted	l by:	
Comments:										



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 44694

WorkOrder 0907685

EPA Method SW8082	Extra	ction SW	3550C					S	Spiked Sar	nple ID	: 0907605-0	04A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
, ,	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	130	121	6.93	111	114	2,24	70 - 130	20	70 - 130	20
%SS:	118	0.050	115	114	0.517	120	121	0.812	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 44694 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0907685-001A	07/27/09	07/27/09	08/02/09 4:00 PM	0907685-002A	07/27/09	07/27/09	08/02/09 4:57 PM
0907685-003A	07/27/09	07/27/09	08/02/09 5:53 PM	0907685-004A	07/27/09	07/27/09	08/01/09 3:29 AM
0907685-005A	07/27/09	07/27/09	08/02/09 6:50 PM	0907685-006A	07/27/09	07/27/09	08/01/09 12:45 AM
0907685-007A	07/27/09	07/27/09	08/03/09 3:40 PM	0907685-008A	07/27/09	07/27/09	08/02/09 8:42 PM
0907685-009A	07/27/09	07/27/09	08/03/09 12:03 PM	0907685-010A	07/27/09	07/27/09	07/31/09 9:03 PM
0907685-011A	07/27/09	07/27/09	08/03/09 12:59 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer

McCampbell Ar		al, In	<u>c.</u>		Web: www.mccamp	Pass Road, Pittsburg, CA obell.com E-mail: main 877-252-9262 Fax: 92		om
EnviroNova			oject ID:	#9081;	100 California	Date Sampled:	05/20/09	
110 Landing Court, Suite B		Street				Date Received:	05/20/09	
,		Client C	ontact: Pa	it Garre	tt	Date Extracted:	05/20/09	
Novato, CA 94945-4122		Client P.	0.:			Date Analyzed	05/21/09	
Po Extraction Method: SW3550C	olychlori	•	p henyls (P ytical Method	•	aroclors by GC-	ECD*	Work Order:	0905399
Lab ID	090539		0905399				<u> </u>	
Client ID				Limit for				
Matrix		S	S					
DF	1	0	800	0			S	W
Compound				Conce	entration		mg/kg	ug/L
Aroclor1016	ND	<5.0	ND<4	000			0.025	NA
Aroclor1221	ND	<5.0	ND<4	000			0.025	NA
Aroclor1232	ND-	<5.0	ND<4	000			0.025	NA
Aroclor1242	ND	<5.0	ND<40	000			0,025	NA
Aroclor1248	ND	<5.0	ND<40	000			0.025	NA
Arocior1254	2	5	12,00	00			0.025	NA
Aroclor1260	ND	<5.0	ND<40	000			0.025	NA
PCBs, total	2	5	12,00	00			0.025	NA
		Surre	gate Rec	overies	(%)		***************************************	2000 T. O. T
%SS:	1 1	13	#					
Comments	h-	4	h4	anta for a se se aran arran as a a ago	The control of the state of the			

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644



															(17	10))	1	1					Ĕ	*						
		1534 WI PITTSBU ccampbe	LLOW PA RG, CA 94 Il.com En	SS RO 1565-17 nail: m	AD 701	mee:	ımpt	ell.c	om						UR			OU	ND	DF	[M]	E	PE	RUS	in [124 1 E	HR	1	481	IR W	72 rite	IIR On	D 5 DAY (DW) required
Report To: Pai	(70,000	4	F	Bill To				-	-	***************************************	-		+			-	-	-	A						imp.	ie is	em	uen	tan		-	and the last divine the last d	
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Tele: (415) \$4				ax: (4 a.	FFE	11 6	EFF	Uir	CHIC	*** . (COST	200		97.					ŝ						26	6				-	for Metals
Project #: 908	3 /5 /.			rojec		1_					_		\dashv	2		35	=	3	023)		lors		-F			-	15	600				-	analysis:
		5			UNAN	ne:							-	+		166	413	2	2.0	3	Leoc		icid			1	010	010					Yes/No
Project Location:	100 sai	stor is	15-5	+.				- Neis-	-	militari di sala		-	\dashv	807		136	5811	=	09 \	tical	12	des)	leri	3	(S)	1/5	3.	8 / 6	020				
Sampler Signatur	C: ARH	1	The second secon	1					-	-			_	692		Cre	T S	3(1)	(F.P.	- F	Z	stici	E	VO	31.0	7	246	200.	9/0				
		SAMI	PLING	S.	ners	1	MAT	RI	× _			RVE	D	Cas (151	N 190	lydro	SOLO	NE.	181 (C)	5 EB.3	NP Pe	Acidic	8260 (8270 (8310 (100.77	14.77	8 / 661				
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Shudoe	Other	ICE	HCL	HNO	Other	BTEX & TPH as Gas (602 / 802)	TPH as Diesel (8015)	Total Petroleum Off & Greuse (1664 / 5520 E/B&F)	Total Petroleum Hydrocarisuss (418.1)	EPA 502.2 / 601 / 8010 / 8021 (BVOC9)	MITRE / BIEN ONEN (EPA 602 / 8021)	FPA 505/ 608 / 8081 (CI Pesticules)	EPA 608 (8081 PCB's ONLY) Areaclors / Congenery	EPA 5077 8141 (NP Pesticides)	EPA 5137 8151 (Actific CI Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHS / PNAS)	CAM 17 Metals (200.7 / 206.8 / 6010 / 6020)	C.C.F.I. 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	The second secon	and the second s		
9081-Pcb-1	Column	5/20					-		-	-	-	-	+					-			X			_		_	-		-	-	+	+	
9051-Pcb-Z	Wirldow	5/20					-	-	-	-	-	-	+		- +			-		-				-				-			- 1-	-	
1011 100 2	Derviden	166			-7477-130000-	-	-		+	-		-	+			- 1		-	-		X											-	
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Reliaquished By:		Date:	Time:	Réce	ived R	y:		2					-	DE:	CHL:	ORI? PRIA	TE	ED I	N L		es_												
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														PRI	ESEF	VAT	10.5		AS	08	EG.	ME pH<		.5	OTE	IER							

McCampbell Ar "When Quality		Web: www.mccar	w Pass Road, Pittsburg, CA mpbell.com E-mail: mair e: 877-252-9262 Fax: 92	n@mccampbell.com
EnviroNova	Client Project ID: #9081;	100 California	Date Sampled:	05/20/09
110 Landing Court, Suite B	Street		Date Received:	05/20/09
Novato, CA 94945-4122	Client Contact: Pat Garret	it 1	Date Reported:	05/21/09
1101010, 011 5-775-1122	Client P.O.:		Date Completed:	05/21/09

WorkOrder: 0905399

May 21, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 2 analyzed samples from your project: #9081; 100 California Street,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.

McCampbell Analytical, Inc.



1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Pittsburg, CA 94565-1701 (925) 252-9262		•		WorkOr	der: 0905399	Client	Code: EVNN		
		WriteOn	☐ EDF	Excel	Fax	☑ Email	HardCopy	ThirdParty	☐ J-flag
Report to: Pat Garrett EnviroNova	Email: cc:	pgarrett@enviror	ova.com	Bil	l to: Accounts Pay EnviroNova	/able	Req	uested TAT:	1 day
110 Landing Court, Suite B Novato, CA 94945-4122 415-883-7575 FAX 415-883-7475	PO: ProjectNo	: #9081; 100 Calif	ornia Street			Court, Suite B 14945-4122		e Received: e Printed:	05/20/2009 05/20/2009

											(See le					
Lab ID	Client ID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0905399-001	9081-Pcb-1	Solid	5/20/2009		Α	<u> </u>			Ī		1			1		
0905399-002	9081-Pcb-2	Solid	5/20/2009		Α								<u> </u>	1		

<u>Test Legend:</u>							
1 8082A_PCB_Solid	2] [3	4	-	5	
6	7		3	9	Ī	10	一
11	12	 ī _			_	<u> </u>	
		_					
					Pre	pared by: Ana Venegas	

Comments:

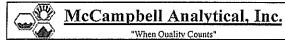
24hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	EnviroNov	a			Date a	nd Time Received:	5/20/2009	1:23:30 PM	
Project Name:	#9081; 100	California Street			Check	list completed and r	reviewed by:	Ana Venegas	
WorkOrder N°:	0905399	Matrix Solid			Carrie	: Client Drop-In			
		<u>Cha</u> i	in of Cı	ıstody	(COC) Informa	tion			
Chain of custody	y present?		Yes	V	No 🗆				
Chain of custody	signed when	relinquished and received?	Yes	V	No 🗆				
Chain of custody	y agrees with s	ample labels?	Yes	✓	No 🗆				
Sample IDs noted	d by Client on C	OC?	Yes	V	No 🗆				
Date and Time of	f collection note	d by Client on COC?	Yes	V	No 🗆				
Sampler's name	noted on COC?		Yes	✓	No 🗆		•		
		<u> </u>	Sample	Recei	pt Information				
Custody seals in	tact on shippin	g container/cooler?	Yes		No 🗆		NA 🗹		
Shipping contain	er/cooler in god	od condition?	Yes	V	No 🗆				
Samples in prop	er containers/b	ottles?	Yes	V	No 🗆				
Sample containe	ers intact?		Yes	V	№ 🗆				
Sufficient sample	e volume for inc	dicated test?	Yes	√	№ 🗆				
		Sample Pres	<u>ervatio</u>	n and l	Hold Time (HT)	Information			
All samples rece	ived within hold	ling time?	Yes	V	No 🗆				
Container/Temp I	Blank temperati	ıre	Coole	er Temp):		NA 🗹		
Water - VOA via	ls have zero he	eadspace / no bubbles?	Yes		No 🗆	No VOA vials subm	itted 🗹		
Sample labels ch	necked for corr	ect preservation?	Yes	V	No 🗌				
TTLC Metal - pH	acceptable upo	on receipt (pH<2)?	Yes		No 🗆		NA 🗹		
Samples Receive	ed on Ice?		Yes		No 🔽				
* NOTE: If the "N	Vo" box is chec	ked, see comments below.							
			===						
Client contacted:		Date contac	cted:			Contacted	by:		
Comments:									



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43329

WorkOrder: 0905399

EPA Method SW8082	SW8082 Extraction SW3550C Spiked Sample ID: N/A												
Analyte	Sample Spiked MS M				MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%))	
	mg/kg	mg/kg	mg/kg % Rec.		% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD	
Aroclor1260	N/A	0.075	N/A	N/A	N/A	123	124	0,332	N/A	N/A	70 - 130	20	
%SS:	N/A	0.050	N/A	N/A	N/A	86	87	0.403	N/A	N/A	70 - 130	20	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43329 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0905399-001A	05/20/09	05/20/09	05/21/09 10:10 AM	0905399-002A	05/20/09	05/20/09	05/21/09 2:20 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate,

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer

RGA Environmental, Inc.

Page 67 of 177

07.13.2010

McCampbell A		1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
EnviroNova	Client Project ID: #9081	Date Sampled: 06/04/09
110 Landing Court, Suite B		Date Received: 06/04/09
Novato, CA 94945-4122	Client Contact: Pat Garrett	Date Reported: 06/08/09
110vaio, CA 54545-4122	Client P.O.:	Date Completed: 06/08/09

WorkOrder: 0906159

June 08, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 6 analyzed samples from your project: #9081,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.

McCampbell A	analyt	ical, In	<u>ıc.</u> .		Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: main 177-252-9262 Fax: 92	n@mccampbell.	com
EnviroNova	Journal	Client Pr	roject ID:	#9081;	100 California	Date Sampled:	06/04/09	
		St. SF	•			Date Received:	06/05/09	
110 Landing Court, Suite B		Client C	ontact: Pa	ıt Garre	eft	Date Extracted:	06/05/09	
Novato, CA 94945-4122		Client P.	06/06/09					
	Polyoblo	1						
Extraction Method: SW3550C	rotycino		lytical Method	•	Aroclors by GC-I 2	·	Work Order:	0906202
Lab II	09062	.02-001A	0906202-	-002A	0906202-003A	0906202-004A		
Client II) 100	-Pcb-7	100-Pc	b-8	100-Pcb-9	100-Pcb-10		Limit for
Matri	x	S	S		S	S		
Dì	1	0000	1000	0	5000	10000	S	W
Compound				Conce	entration		mg/kg	ug/L
Aroclor1016	ND	<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1221	ND	<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1232	ИD	<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1242	ND	<5000	ND<50	00	ND<2500	ND<5000	0.025	NA
Aroclor1248	ND	<5000	ND<50	00	ND<2500	ND<5000	0.025	NA
Aroclor1254	1.5	,000	29,00	0	9400	38,000	0.025	NA
Aroclor1260	ND	<5000	ND<50	00	ND<2500	ND<5000	0.025	NA
PCBs, total	15	,000	29,00	0	9400	38,000	0.025	NA
		Surro	gate Reco	veries	(%)			
%SS:		#	#		#	#		
Comments		h4	h4		h4	h4		

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Ar	ass Road, Pittsburg, CA bell.com E-mail: main 77-252-9262 Fax: 92	@mccampbell.c	om								
EnviroNova			Date Sampled:	06/04/09							
110 Landing Court, Suite B						Date Received:	06/04/09				
The Danishing County Sunt D		Client C	ontact: Pa	t Garre	tt	Date Extracted:	06/04/09				
Novato, CA 94945-4122		Client P.	0.:			Date Analyzed:	06/05/09				
Po	olychlor	inated Bi	phenyls (F	CBs) A	roclors by GC-l	ECD*					
Extraction Method: SW3550C	00061	Anal 59-005A	ytical Method		2		Work Order:	0906159			
Lab ID				1							
Client ID	100-	PCB-5	100-PC	.B-0			Reporting Limit fo DF =1				
Matrix		S	S								
DF	5	000	500	0			S	w			
Compound				Conce	ntration		mg/kg	ug/L			
Aroclor1016	, ир	<2500	ND<2.	500			0.025	NA			
Aroclor1221	ND	<2500	ND<2:	500	·		0.025	NA			
Aroclor1232	ND	<2500	ND<2:	500			0.025	NA			
Aroclor1242	ND	<2500	ND<2:	500			0.025	NA			
Aroclor1248	ND	<2500	ND<2:	500			0.025	NA			
Aroclor1254	15	,000	15,00	00			0.025	NA			
Arocior1260	ND	<2500	ND<2:	500			0.025	NA			
PCBs, total	15	,000	15,00	00			0.025	NA			
		Surre	ogate Rec	overies	(%)						
%SS:	-	#	#								
Comments		h4	**************************************	en en en en en en en en en en en en en e	***************************************						
* water samples in μg/L, soil/sludge/solid samples and all TCLP & SPLP extracts a	ге герогі	ed in mg/L			-		l/non-aqueous	; liquid			
ND means not detected above the reporti	ng limit;	N/A means	s analyte no	t applica	ble to this analysis	5.					
# surrogate diluted out of range or surrog	ate coelu	tes with an	other peak.								

DHS ELAP Certification 1644

h4) sulfuric acid permanganate (EPA 3665) cleanup

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 70 of 177 07.13.2010

McCampbell Analytical, Inc. "When Ouality Counts" Meb: www.mccampbell.com E-mail: main@mccampbell.com E-mail: main@mcc											
EnviroNova		#9081	тетерлопе, а	Date Sampled:	06/04/09						
		·			Date Received:	06/04/09	•				
110 Landing Court, Suite B	Client	Contact: Pa	ıt Garre	eft.	Date Extracted:	06/04/09					
Novato, CA 94945-4122	Client				Date Analyzed:						
		ychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*									
Extraction Method: SW3550C	Arociors by GC-1 2	ECD.	Work Order:	0906159							
Lab ID	0906159-001A	0906159-	002A	0906159-003A	0906159-004A						
Client ID	100-PCB-1	100-PC	B-2	100-PCB-3	100-PCB-4	Reporting Limit DF =1					
Matrix	S	S		S	S						
DF	50	20		2000	5000	S	W				
Compound			Conce	entration		mg/kg	ug/L				
Aroclor1016	ND<25	ND<1	0	ND<1000	ND<2500	0.025	NA				
Aroclor1221	ND<25	ND <i< td=""><td>0</td><td>ND<1000</td><td>ND<2500</td><td>0.025</td><td>NA</td></i<>	0	ND<1000	ND<2500	0.025	NA				
Aroclor1232	ND<25	ND<1	0	ND<1000	ND<2500	0.025	NA				
Aroclor1242	ND<25	ND <i< td=""><td>0</td><td>ND<1000</td><td>ND<2500</td><td>0.025</td><td>NA</td></i<>	0	ND<1000	ND<2500	0.025	NA				
Aroclor1248	ND<25	ND<1	0	ND<1000	ND<2500	0.025	NA				
Aroclor1254	150	14		4100	18,000	0.025	NA				
Aroclor1260	ND<25	ND<1	0	4700	ND<2500	0.025	NA				
PCBs, total	150	14		8800	18,000	0.025	NA				
	Sur	rogate Reco	veries	(%)							
%SS:	103	87	-	#	#						

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 71 of 177 07.13.2010

										11.				U	1	0	0	10)	1_					No.							
AWA N	IcCAMPI	BELL	ANA	LYT	ICA	L, 1	INC	٧.									C	HA	II	V (F	C	ÜS	ST	OT	W	R	EC	CO	RI)	
		1534 WII	LLOW PA	SS RO.	AD:			0					T	UR	N A	RO		ND)							
W. W.	bsite: www.m		RG, CA 94 Leom En			necam	pbel	,соп		9													RUS		1	nr		48 F				5 DAY
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Report To: FAT			-	ill To	*						<u></u>	+						Al	naly	sis	Reg	ues	t					_	- 0	the	r	Comments
Company: EN L	MRUNOW	7.6.60											Lu	Shinalada	2				-	1013	on desirable de					-						Filter
	***************************************		1	Moi	1. ~			_				-		1.	E/B8			- Annual	-	ange	and an	-							9			Samples
Tele: (4/5-), 4	18-86	41	F	ax: (- page	i re	20	DEK	Ulr	ONY	V6-0		8015) / MTBE		\$520			= 1		S.C.						(0.70)	020					for Metals analysis:
Project #: 90		<i>F</i> 1		rojec						-	-				7.59	×	Š	803	~	octor	1	id Ps			ASI.	7 91	9/01	-				Yes / No
Project Location:		1,5000									inchite team		22		; () 6	35 (4	É	201	rides	. A.	3	erbic	21	(8)	3	6/60	1,60	20)				
Sampler Signatur				*********									2.8		reas	arbe	8021	EPA	Pesti	N.	lickle	CIT	00.	004	NIV.	200.8	00.N	9970				
		SAMI	PLING	90	Type Containers	M	ATR	IX.			HOD RVE	D	as Cas (602 / 8021 +	(510	Total Petroleum Oil & Greas; (1664 / 5520 E/B&F)	Total Petraleum Hydrocarbo 28 (41%.1)	CPA 502,27 601 / 8610 / 8021 (HVOCs)	MITRE / BTEX ONLY (EPA '601 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Araclors / Cangeners	EPA 5077 8141 (NP Pesticides)	EPA 5157-8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525,27 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHS (PAAS)	GAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	1.UFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lend (200,7 / 200,8 / 6010 / 6C20)				
SAMPLE ID	LOCATION			# Containers	Itsi	1	-							TPH as Dieset (8015)	E B	lea m	19	EX	8/8	087	1118	1515	624	625	SIM	ctats	(als)	7.21M				
	Field Point	Date	Time	nta	O.	+	discussed and a second	٠, ١	-		5	_	BTEN & TPH	Dic	etra	Table 1	2.2	/81	19 %	8/8	126	187	4.2	5.1	270.5	J M	5 Me	100.7				
			1 mic	ು	ype	Water	ī	Sludge	CE	HCL	HNO	Other	Y.	H 10	tal P	fut P	15 V	THE	A 50	37.66	15 V	A 51	A 52	1.3	8 Y.	13	Ξ	nd (2				
		6/4/04		. #±	1-	2 0	K	S O	Ĭ	I	I	9	=	F	F	=	<u> </u>	2	2	2	<u>=</u>	=	2	<u>a</u>	- 2	Ű,	=					
100-PCB-1	WHEN CURT	tu V						X				-		ļ		- Anna Anna Anna Anna Anna Anna Anna Ann				X						-						
100-PCB-2	NAST CHAUTE	1						Y						1	Ì					X												
100-PCB-3	EAST NOW 7	. (X												4												
100-PCB-4	EMOT 7							X			1								,	X												
100-PCB-5	EDEF B	5				1		V							-	and and and a				X:												
10c-PCB-6	E465 6789647 7 13	2			:			7	F						-	- Antonio			7	0												
					-tre-resonate (State) or							1			-		-									1						***********************
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5.0.		B		-	1.5				L			-	· ·	1034	77	9	_	9	0								-		ENT			- in in water
Relinquished By:	GX.	Date:	Time:	Rece	A By	السا	1		-				GO	OD C	CON	OITI	ON	OT NEW	1.	i i A							Ų.U	MINI	EAN I	5:		
Relinquished By:	0	Date:	Time:	B	ived By		-	-		-		-	HE/	ADS	PAC	EAR	SE	TY	<u> </u>	3	Δ.											
remiduisned ph;		inte:	time;	resce	ivea By								APP	PROI	1K1.4	TE (CON	TAL	NER	S	V											
Relinquished By:	······································	Date:	Time	Rece	ived By	-	·					-	PRE	ESER	VEI	IN	LAB	W	H		wym.m.=											
sentiquisited by:		Dates	i ime)															AS	08				S	011	IER							
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	IcCAMP		Ô	90	16	20	0	2																									
Web	IcCAMP site: <u>www.mc</u> ne: (877) 252	1534 AVI PITTSBU campbell	LLOW PA	SS RO 4565-17	AD 701 ain@r	ncca	mpl	elle		269					UF D G			ΟU	NI) T	M	E		US RUS	SH	24	HR xce		48 I	IR IIR	RD 72 rite	HR	S DAY (DW)
Report To: PHT	CZOUV	cz+-		Bill To):					********						-			A	nal	vsis	Rec	mes	i	***************************************					0	ther	- T	Comments
Tele: (4.8) 4 Project #: 90 Project Location: Sampler Signatur	68 - 869 81 160 CI	I		E-Mai Fax: (Projec		ne;	cts	0	eni	/i vi	217,	26	ita	s Ges (602/8921 + 8015)	PA 602 / 8021)	11 (8)15)	Total Petroleum Oll & Greace (1664 / 8820 E/8&F)	arbins (418.1)	W21 (HVOCs)	Pestroides)	EPA 608 / 8081 PCB's ONLY; Aradum / Congenera	icides)	3 Berbioldes)	0631	VOCAL	AH+ / PNA+)	CAM 17 Metals (200.77 200.37 6010 / 6020)	LUPT 5 Metals (200.7 / 200.8 / 6010 / 6020)	/ 6920)				Filter Samples for Metals analysis: Yes / No
		SAMI	PLING	jn.	ers		MA	TRI	IX.			HO ERV		TPHS	NEV (F	totar O	Di & G	1) droc	80107	81 (C) 1	C8.80	NP Pest	Actilic C	8260 (1	8270 (S	33111 (P.	200.772	10,77.2	8 / 6010		NO. COLONIA.	-	
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Air	Other	ICE	HCL	HNO,	Other	MTBELBTEN &	MEBE / BTEX ONLY (EPA 602 / 3021)	TPH as Diesel / Motor Oil (8/15)	Total Petroleum	Total Petroleum Hydrocarbins (413.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (CJ Pest cides)	F.P.A. 608 / 8082 P	EPA 507 / 8141 (NP Pesticides)	EPA S187 8151 (Acidic C1 therbicides)	EPA 524,2 / 624 / 8260 (VOCs)	EPA \$25.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAH) / PNAs)	CAM 17 Metals (.	LUPT 5 Metals (2	Lead (209.7 / 280,8 / 6010 / 6920)				
100-PCb-7 120-PCb-8 100-PCb-9 100-PCb-10 100-PCb-11 100-PCb-11	13 W5 13 CP 7 WS 7 CP	6-11-1							X												XXXX							*					
Relinquished By:		Date: 6-5-61 Date:	Time: 3.402114 Time:	1	ived By	10		n		0			2	HE DE	E/IL OOD AD S CHI PRO	CON SPAC ORI	DIT CE A NAT	BSE	NL		-	_					(OM	ME	NTS:			
Relinquished By:		Date:	Time:	Recei	ved By	ą:						-		PR	ESE	RVE	D IN	VO	i	0&	G	MET pH<		s (тн	ER							

McCampbell Analytical, Inc.

1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

	rg, CA 94565-1701 .52-9262					Wo	rkOrde	r: 090	6202	(ClientC	Code: E	VNN				
			☐ WriteOn	☐ EDF		_ Exc	el	Fax	:	☑ Email		Haro	Сору	Thir	rdParty	J-	flag
	g Court, Suite B . 94945-4122	Email: cc: PO: ProjectNo:	pgarrett@envi : #9081; 100 C				1 N	ccount nviroNo 10 Lan lovato,	s Payabi ova ding Coi CA 9494 s@envire	urt, Suit 15-4122	:		Dat	uested e Rece e Prin	vived:	06/05/ 06/05/	
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	Req 4	uested 5	Tests 6	(See le	gend b	elow)	10	1 44	142
						<u> </u>		3	4	1 9	1 6		0	9	1 10	11	12
0906202-001	100-Pcb-7		Solid	6/4/2009		A		<u> </u>			<u> </u>		<u> </u>			·	
0906202-002	100-Pcb-8		Solid	6/4/2009	10	A			1	<u> </u>			ļ			<u> </u>	
0906202-003 0906202-004	100-Pcb-9 100-Pcb-10		Solid Solid	6/4/2009 6/4/2009		A					<u> </u>	ļ	ļ <u> </u>	ļ	<u> </u>	<u> </u>	
	PCB_Solid 2			3				=	4					5			
Comments:	7 12 12 24hr Rush			8				L	9				•	10 red by:	Maria	venega	ns

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	Environova					Date	and Time	Received:	06/05/09 3	3:47:15 PM	
Project Name:	#9081; 100 Cali	fornia S	st. SF			Chec	klist com	pleted and	reviewed by:	Maria Venegas	s
WorkOrder N°:	0906202	Matrix	Solid			Carri	er: <u>Cli</u>	ent Drop-In			
			Ch	ain of Cu	ıstody	(COC) Inform	ation				
Chain of custody	present?			Yes	V	No 🗆	-				
Chain of custody	signed when relinq	uished an	d received	? Yes	V	No 🗆					
Chain of custody	agrees with sample	labels?		Yes	V	No 🗆					
Sample IDs noted	by Client on COC?			Yes	V	No 🗆					
Date and Time of	collection noted by C	lient on C	OC?	Yes	V	No □					
Sampler's name r	noted on COC?			Yes		No 🔽					
	,			Sample	Recei	ipt Informatio	<u>n</u>				
Custody seals int	tact on shipping cont	ainer/coo	ler?	Yes		No □			NA 🗹		
Shipping containe	er/cooler in good con	dition?		Yes	V	No 🗆					
Samples in prope	er containers/bottles	?		Yes	V	No 🗆					
Sample containe	rs intact?			Yes	√	No 🗆					
Sufficient sample	volume for indicated	i test?		Yes	√	No 🗆					
		<u>Sa</u>	mple Pre	servatio	n and l	Hold Time (HT	() Informa	ation			
All samples recei	ved within holding tin	ne?		Yes	√	№ 🗆					
Container/Temp E	Blank temperature			Coole	r Temp	: :			NA 🗹		
Water - VOA vial:	s have zero headspa	ace / no b	ubbles?	Yes		No 🗆	No VOA	vials subm	nitted 🗹		
Sample labels ch	ecked for correct pre	eservation	1?	Yes	V	No 🗌					
TTLC Metal - pH a	acceptable upon rece	eipt (pH<2	:)?	Yes		No 🗆			NA 🗹		
Samples Receive	d on Ice?			Yes		No 🗹					
* NOTE: If the "N	o" box is checked, s	ee comm	ents belov	V.							
						====					
Client contacted:			Date conta	acted:				Contacted	by:		
Comments:											

7

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McCampbell Analytical, Inc.

1534 Willow Pass Rd

CHAIN-OF-GUSTODY REGORD

Page 1 of 1

Prepared by: Samantha Arbuckle

(925) 25	g, CA 94363-1701 52-9262					Work	Order	: 0906	159	(Client	Code: I	EVNN				
			☐ WriteOn	☐ EDF]Excel		Fax		☑ Email		Hard	dСору	☐ Thi	rdParty	□ J-	-flag
Report to: Pat Garrett		Email:	pgarrett@envi	ronova.com			Bill to:	counts	Payabl	e			Req	uested	TAT:	1	day
_	g Court, Suite B 94945-4122 5 FAX 415-883-7475	cc: PO: ProjectNo:					Er 11 No	iviroNov 0 Landi ovato, C counts@	a ng Cou A 9494	urt, Suit 15-4122				te Rece te Prin		06/04/ 06/04/	
									Req	T	Tests	(See le	gend b	elow)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0906159-001	100-PCB-1		Solid	6/4/2009		Α					Ī				l		Т
0906159-002	100-PCB-2		Solid	6/4/2009		Α				1					i		
0906159-003	100-PCB-3		Solid	6/4/2009		Α									ĺ		1
0906159-004	100-PCB-4		Solid	6/4/2009		Α					Ì	i					
0906159-005	100-PCB-5		Solid	6/4/2009		Α											
0906159-006	100-PCB-6		Solid	6/4/2009		Α		1	<u> </u>	1						1	1
Test Legend:	CB_Solid 2		1	3				T4	T				ſ	5			

Comments:

6

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	EnviroNova				Date a	and Time Received:	06/04/09 5	:05:16 PM
Project Name:	#9081				Check	klist completed and re	eviewed by:	Samantha Arbuckle
WorkOrder N°:	0906159	Matrix Solid			Carrie	er: <u>Client Drop-In</u>		
		Chair	of Cu	ıstody (COC) Informa	ation		
Chain of custody	/ present?		Yes	V	No 🗆			
Chain of custody	signed when relin	quished and received?	Yes	V	No 🗆			
Chain of custody	agrees with samp	le labels?	Yes	✓	No 🗀			
Sample IDs noted	by Client on COC?		Yes	V	No 🗆			
Date and Time of	collection noted by	Client on COC?	Yes	V	No 🗆			
Sampler's name r	noted on COC?		Yes	V	No 🗆			
		<u>s</u>	ample	Receipt	t Information	1		
Custody seals int	tact on shipping co	ntainer/cooler?	Yes		No 🗆		NA 🗹	
Shipping containe	er/cooler in good co	ndition?	Yes	V	No 🗆			
Samples in prope	er containers/bottle	s?	Yes	✓	No □			
Sample container	rs intact?		Yes	y	No 🗆			
Sufficient sample	volume for indicat	ed test?	Yes	V	No 🗌			
	•	Sample Prese	vatio	n and Ho	old Time (HT)	Information		
All samples receiv	ved within holding t	ime?	Yes	V	No 🗌			
Container/Temp E	Blank temperature		Coole	r Temp:	26.2°C		na 🗆	
Water - VOA vials	s have zero heads	pace / no bubbles?	Yes		No 🗆	No VOA vials submit	tted 🗹	
Sample labels ch	ecked for correct p	reservation?	Yes	V	No 🗌			
TTLC Metal - pH a	acceptable upon re	ceipt (pH<2)?	Yes		No 🗆		NA 🗹	
Samples Receive	d on ice?		Yes		No 🗹			
* NOTE: If the "N	o" box is checked,	see comments below.	<u> </u>					======
Client contacted:		Date contacte	ed:			Contacted I	ру:	
Comments:								



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43664

WorkOrder: 0906159

EPA Method SW8082	Extra	ction SW	3550C					8	Spiked Sar	nple ID	: 0906169-0	01A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%))
Mayto	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	0,52	0.075	NR	NR	NR	98.4	109	10.2	70 - 130	20	70 - 130	20
%SS:	115	0.050	89	97	8.58	71	78	9.53	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43664 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906159-001A	06/04/09	06/04/09	06/05/09 1:40 AM	0906159-002A	06/04/09	06/04/09	06/05/09 9:42 PM
0906159-003A	06/04/09	06/04/09	06/05/09 9:42 PM	0906159-004A	06/04/09	06/04/09	06/05/09 4:40 PM
0906159-005A	06/04/09	06/04/09	06/05/09 2:50 PM	0906159-006A	06/04/09	06/04/09	06/05/09 2:50 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer

	l Analytical, Inc. Ouality Counts"	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
RGA Environmental	Client Project ID: #BRES 2	21720; PCB Date Sampled: 09/29/09
1466 66th Street	Caulking Removal	Date Received: 09/29/09
Emeryville, CA 94608	Client Contact: Bob Gils	Date Reported: 10/06/09
	Client P.O.:	Date Completed: 10/06/09

WorkOrder: 0909832

October 06, 2009

Dear Bob:

Enclosed within are:

- 1) The results of the 22 analyzed samples from your project: #BRES 21720; PCB Caulking Remo
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

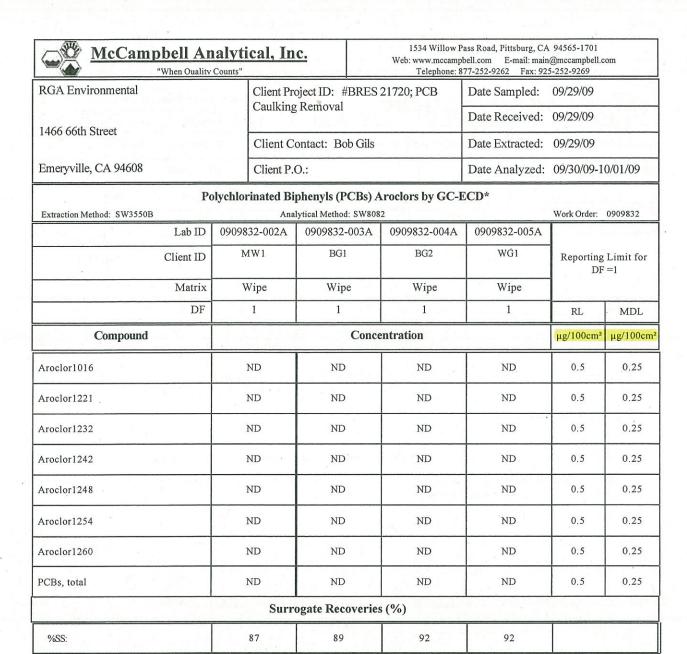
All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.



^{*} water samples in μg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/100cm², filter samples in μg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Comments

Angela Rydelius, Lab Manager

McCampbell Ar	THE RESIDENCE OF THE PARTY OF T	ıc.	Web: www.mccamp		3 94565-1701 a@mccampbell. 5-252-9269	com
RGA Environmental		oject ID: #BRES g Removal	21720; PCB	Date Sampled:	09/29/09)
1466 66th Street	Cadiking	, removar		Date Received:	09/29/09	he god
	Client C	ontact: Bob Gils	11	Date Extracted:	09/29/09	
Emeryville, CA 94608	Client P.	O.:		Date Analyzed:	09/30/09-1	0/01/09
Po Extraction Method: SW3550B		phenyls (PCBs) A		ECD*	Work Order:	0909832
Lab ID	0909832-009A	0909832-010A	0909832-013A	0909832-016A	I	0,0,002
Client ID	BG4	WG3	MC1	WG5	Reporting DF	Limit for
Matrix	Wipe	Wipe	Wipe	Wipe		
DF	1	1	1	1	RL	MDL
Compound		Conce	entration		μg/100cm ²	μg/100cn
Aroclor1016	ND	ND	ND	ND	0.5	0.25
Aroclor1221	ND	ND	ND	ND	0.5	0.25
Aroclor1232	ND	ND	ND	ND	0.5	0.25
Aroclor1242	ND	ND	ND	ND	0.5	0.25
Aroclor1248	ND	ND	ND	ND	0.5	0.25
Aroclor1254	ND	ND	ND	ND	0.5	0.25
Aroclor1260	ND	ND	ND	ND	0.5	0.25
PCBs, total	ND	ND	ND	ND	0.5	0.25
	Surro	gate Recoveries	(%)			
%SS:	92	90	90	90		
Comments						

^{*} water samples in $\mu g/L$, soil/sludge/solid samples in mg/kg, wipe samples in $\mu g/100cm^2$, filter samples in $\mu g/filter$, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell A			c.	Web: www.mccar	Pass Road, Pittsburg, CA	@mccampbell.c	om
RGA Environmental	itv Counts		oject ID: #BRE		Bate Sampled:	09/29/09	
			Removal	55 21720, 1 CB	Date Received:		
1466 66th Street		GII . G	D 1 0				
			ontact: Bob Gil	S	Date Extracted:		
Emeryville, CA 94608	n ida	Client P.	0.:		Date Analyzed:	09/30/09-1	0/01/09
Extraction Method: SW3550B	Polychlo		phenyls (PCBs lytical Method: SW	Aroclors by GC	-ECD*	Work Order:	0909832
Lab II	0909	832-018A	0909832-021	1			
Client II		M2	M4			Reporting DF	
Matri	х	Wipe	Wipe				
DI	7	1	1			RL	MDL
Compound			Cor	centration		μg/100cm ²	μg/100cm
Aroclor1016		ND	ND			0.5	0.25
Aroclor1221		ND	ND			0.5	0.25
Aroclor1232		ND	ND	= 14		0.5	0.25
Aroclor1242		ND .	ND			0.5	0.25
Aroclor1248		ND	ND			0.5	0.25
Aroclor1254		ND .	ND			0.5	0.25
Aroclor1260		ND	ND			0.5	0.25
PCBs, total		ND	ND			0.5	0.25
		Surr	ogate Recover	ies (%)			
%SS:		88	90				

samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

RGA Environmental, Inc.

Angela Rydelius, Lab Manager

07.13.2010

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Environmental sample data sheet

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1 %	Mary I	1 1

ENVIRONMENTAL

brent weisbrod@rqaeny.com fax: 510.899,7062

_PM - S. Stemer steff@rgaenv.com fax. 510.899 7051

_PM = B. Weisbrod

_PM - K. Schroeter kann@ropenv.com fax: 510.899 7063

tedd@rgaenv.com lax: 510.899.7070

__PM = T Kattchee

_PM - K Pilgrim ken@rosenv.com fax: 510.899.7053

XRM − B. Gils

bob@rgaenv com fax: 510 899.7050

PAGE OF

Project Name/Address: _\(\sum{Y}\)	CB Caulking	Removed, 100 Collegenia			P	O#;			
RGA Project #: BRES	21720	Sampled By: Mike B				_	g Date:	9/20/09	And the second of the second of
Sample(s) Sent To] EM Lab ☐ Oth	er:	Ţ	urnarou			-	2-1-HrStandard	
FAX OR E-MAIL R ADDITIONAL REP		ABOVE PROJECT MANAGER (PM) Shippii (S):						Standard Overnight	
Sample I.D. Type	Sample	Sample Location				ngotta von krien spragg		Analysis	
	Air Bulk Swab Tape Lift		Time (min)	Flow Rate (LPM)	Volume (L.) or Area (cm²)	Culture	Direct Exam		
M	* *	White marble about Icul Eside					X	PCB	
14/4/	To A secondaria de la constante de la constant	Who marke a cond lavel E side					ı	1	
108	And the second s	Black gravite and a Good level E sile		7					
XXXXX 362	1). In manufacture	Black granite paned pering 12th FI W			- Krampan (I) ((())				
ME!	TO AN A CANADA	While to grante a 12th FI Wile							-
W62	X	White grante e 12th FI W side	-					77	
863	Approximation and the second s	Black granite e 12th FI Wside							The state of the s
Relinquished By: Hy Received By: W Relinquished By: Y Received By:	7 1111C-	Signature Den V. Signature Signature: Signature: Signature:		VA	3		Date Date		144/ 144/ 1830)

Ã.	RGA	
T KILLI	N Z'S SEKA E BOT SE	

ENVIRONMENTA: _PM-S. Steiner _steff@rgaenv.com fax. 510 899.7051

__PM - K, Schroeter <u>kann@rasenv.com</u> fax: 510.899.7063 __PM – K. Pilgrim ken©rgaesv com lax 510 899 7053

__PM = B. Weisbrod brent weisbrod@rgaenv.com fax: 510.899.7062 PM – T Kattchee tedd@rgacny.com fax: 510.899.7070 __PM = B. Gils bob@tasenv.com fax: 510.899.7050

Environmental sample data sheet

PAGE Z OF 4

Project Name/Address	s:					and the second s		<i>P</i>	O#:		
					Sampled By:						
					Other:						24-HrStandard
FAX OR E-MAII ADDITIONAL R					E ABOVE PROJECT MANAGER (PM) T(S):	Shipping R	equirem 	ents:	_ Prio	rity	Standard Overnight2-Day
Sample I.D. Ty	pe	S. Des	amp erip		Sample Location			01.			Analysis
	-	Gulk	Swab	Tape Lift		Time (min)	Flow Rate	Volunte (L.) or Area (cm²)	Culture	Direct Exam	
GRI					Growt on 12th 11th FIN	side				, value	
B64					Black gravite o 11th Fl.	N side				Company / Amazon	
W63				AMBREC BALLY CO.	blet grante e 11h FI	N side					
B65					Blk granite e 11th FIN						
W64					What Grante @ 11th FI N S	. 1			-		
MCI					Metal column o 11th Fl. N	side					Ì
GRZ					Crost on 8th FI E sic	\e_				1	
Relinquished By: Received By: Relinquished By: Received By:	~ 1/4			كوا	Signature: Signature: Signature: Signature:		\ \	Ty		Da Da	te/Time: 4/29/09/144/ te/Time: 1/29/09/144/ te/Time: 4/39/1920

AA	*		779
		-	Δ
	11		

ENVIRONMENTAL

PM - S. Steiner steff@roaenv.com fax: 510.899,7051 PM – K. Schroeter karin@rgaenv.com fax; 510.899,7053 _PM = K. Pigram ken@rgaenv.com fax: 510.899,7053 Environmental sample data sheet page 3 of 4

__PM = B. Weisbrod brent.waisbrod@rgaenv.com fax: 510.899.7062 __PM - T. Kattchee tedd@maenv.com fax: 510.899.7070 __PM = 8, Gils bob@rgaenv.com fax: 510.899.7050

Project Name/Ac	dress:								St. 0			P	0#:_				
RGA Project #:	***						_Sampled By:_					Sa	mplin	g Date	c:		
Sample(s) Sent T	`o 🗆	EM	Lab			ther:	<u> </u>		and the state of t]	urnarou	nd Time	:	_Rush	1	24-HrSta	ındard
FAX OR E-M ADDITIONA							ROJECT M.	ANA GER (I	M) Shippin	g Re	quireme	ents:	_Prio	rity	_Sta	ndard Overnip	ght2-Day
Sample I.D.	Type			amp		Sample l	Location									Analysis	
		_	Des	crip	tion							or		_			
		Air	Bulk	Swab	Tape Lift	***************************************				Time (min)	Flow Rate (LPM)	Volume (L.) o Area (cm²)	Culture	Direct Exam	regar to the state of the state		
BG6		ļ				Black	Garite	e7th Fl	Eside								
W65									1 Eside								
W66						hh	h		FI E side								
MZ						Lhu-dj.	Z4	1- PI E	side :								
M3						hht.	marble a	e THE F	1. E side								
GR3						Grow	e 13th 1	FL E	side								
MH						Who is	narble e	13th F	1. E side						ĺ		
Relinquished By			V7	د ک				Signate	C. C. C. C. C. C. C. C. C. C. C. C. C. C	1/2		74.		Da	te/Tin	ne: 9/20/67	144 144
Relinquished By	" <u></u>		ارا	~		<u> </u>		Signati			Į.			Dat	e/Tim	ne: <u>1/2 2 /27</u> ne: <u>1/24 /</u>	一次
Received By:	·		je					Signati	re:		·	ů			te/Tin		



brent.weisbrod@rgaenv.com fax: 510.899.7062

PM - S. Steiner steff@rgaenv.com fax; 510.899,7051

_PM = B, Weisbrod

__PM - K. Schreeter karin@rgaenv.com fax; 510,899,7063

tedd@reaeny.com fax: 510.899.7070

__PM - T. Kattchee

PM – K. Pilgrim ken@roaenv.com fax: 510.899,7053

__PM - B. Gl/s bob@rgaenv.com fax: 510,899,7050

Environmental sample data sheet PAGE 4OF 4

Project Name/A	ddress:	·				,,,,,,,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,					P	O#:_				
RGA Project #:_		·····					Sampled By:				Sa	mpli	g Date	e:		
Sample(s) Sent	ro C] EM	Lab			Othe	F:		7	umarou	nd Time	<u>:</u>	Rush	24-H	irStanda	ard
FAX OR E-M ADDITIONA								hipping	Rec	quireme 	ents:	_Prio	rity	Standare	l Overnigh t	2-Day
Sample I.D.	Type			amp crip			Sample Location				or			Ans	alysis	
		Air	Chilk	Swab	Tape Lift			***************************************	(cutto) attiti	Flow Rate (LPM)	Volume (L.) or Arca (cm²)	Culture	Direct Exam			
M5							What would a 13th Fl. Esid									
-																
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							THE STATE OF THE S		_							
Relinquished By Received By: Relinquished By	7: <u> </u>		7				Signature: (2		1	 7 			Da1	te/Time:	alzajoa	144/
Received By:	Bay	4 - 4	(<u>a</u> ()				Signature:		\leq		ر ۱۲۰۰۰				12-1/07	1941 1941
Relinquished By	·	r O	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				Signature:	يحلب			- 'd			e/Time:f	, O	75370

McCampbell Analytical, Inc.

1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

V Sell Discourse																	
	g, CA 94565-1701 52-9262					Work	Order:	09098	332	(ClientC	Code: I	RGAE				
		☐ WaterTrax	☐ WriteOn	☐ EDF		Excel		Fax	[√ Email		Har	Сору	Thi	rdParty	<u> </u>	·flag
Report to: Bob Gils RGA Enviror 1466 66th S		Email: b cc: PO:	ob@rgaenv.o	com			RC	drea Pe A Envir 66 66th	onmer	ntal				uested		5 (09/29/	days ⁄2000
Emeryville, ((510) 547-777		ProjectNo: #	BRES 21720); PCB Caulking F	Remo	val	En	neryville roices@	, CA 9	4608				e Prin		09/29/	
									Ren	hoteai	Tacte	(See le	gond b	olous)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0909832-001	M1		Solid	9/29/2009		Α		T 1		I	Т	T		1	T		1
0909832-002	MW1		Wipe	9/29/2009	H		A			ļ <u>.</u>		-	-	<u> </u>	-	 	<u> </u>
0909832-003	BG1		Wipe	9/29/2009	H		A					-	 			 	
0909832-004	BG2		Wipe	9/29/2009	l		A			ļ		 	 	 	 	+	
0909832-005	WG1		Wipe	9/29/2009	片		A						 	 	_		
0909832-006	WG2		Solid	9/29/2009	Ħ	Α	/			<u> </u>		+	<u> </u>	 		 	
0909832-007	BG3		Solid	9/29/2009	Ħ	Α						+	 	<u> </u>	 	 	-
0909832-008	GR1		Solid	9/29/2009	Ħ	A		ļ						·	 	 	
0909832-009	· BG4		Wipe	9/29/2009			Á					 	╁		<u> </u>		
0909832-010	WG3		Wipe	9/29/2009			Α		-	-		 	ļ		 	+	-
0909832-011	BG5		Solid	9/29/2009		A				<u> </u>		 	1		 		
0909832-012	WG4		Solid	9/29/2009		Α						1	-	 	 	 	
0909832-013	MC1		Wipe	9/29/2009			Α					1		 		1	
0909832-014	GR2		Solid	9/29/2009		Α							 		1	 	\vdash
Test Legend: 1 8082A P 6 11	CB_Solid	8082A_PCE	3_WI	8				9						5 10			
			•									-	Prep	ared by	: Ana	Venegas	;

Comments:

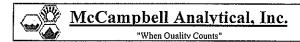
NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

McCampball Analytical Inc

171CCampb	en Analytical, III illow Pass Rd	c.			G	HAI	N- 0	F-C	US1	[UD	YR	EGO			Page	1 of	1
Pittsburg (925) 25	g, CA 94565-1701 52-9262					Work	Order:	0909	832	. (Client(Code: 1	RGAE	,			
		☐WaterTrax	☐ WriteOn	□ EDF] Excel		Fax	į	√ Email		☐ Har	dCopy	Thir	rdParty	<u></u> J-	flag
Report to: Bob Gils		Email: bo	ob@rgaenv.o	com			Bill to:	drea P	eacock				Requ	uested	TAT:	5 (days
RGA Enviror 1466 66th S Emeryville, ((510) 547-777	treet CA 94608		3RES 21720); PCB Caulking F	Remo	val	14 En	66 66th neryville	ironmer Street e, CA 9 grgaenv	4608						09/29/ 09/29/	
									Req	uested	Tests	(See le	gend b	elow)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0909832-015	BG6		Solid	9/29/2009	П	А		T	T	1		T		<u> </u>		T	
0909832-016	WG5		Wipe	9/29/2009	╽置		A	<u> </u>	<u>† </u>			1	İ		 		
0909832-017	WG6		Solid	9/29/2009		Α			<u> </u>	1					1		
0909832-018	M2		Wipe	9/29/2009	一		A					<u> </u>			1		
0909832-019	M3		Solid	9/29/2009	\Box	Α	1		†					· · · · ·			
0909832-020	GR3		Solid	9/29/2009		Α			1								
0909832-021	M4		Wipe	9/29/2009			A	İ					1				
0909832-022	M5		Solid	9/29/2009		Α										<u> </u>	
Took Lawanda																	**
Test Legend:							<u>-</u> -						-				
	CB_Solid 2	8082A_PCE	<u></u>	3				ل_ا						5			
6	7			8		,		<u> </u>						10			
11	12												Prep	ared by	y: Ana`	Venegas	S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	RGA Environm	ental			Date	and Time Received:	9/29/2009	7:48:47 PM
Project Name:	#BRES 21720;	PCB Caulking Remo	val		Chec	klist completed and r	eviewed by:	Ana Venegas
WorkOrder N°:	0909832	Matrix Solid/Wipe			Carrie	er: <u>Benjamin Yslas</u>	s (MAI Courier)
		<u>Chair</u>	of Cu	ıstody (C	OC) Inform	ation		
Chain of custody	present?		Yes	V	No 🗆			
Chain of custody	signed when relin	quished and received?	Yes	V	No 🗆			
Chain of custody	agrees with samp	le labels?	Yes	abla	No 🗆			
Sample IDs noted	by Client on COC?		Yes	V	No 🗆			
Date and Time of	collection noted by	Client on COC?	Yes	V	No 🗆			
Sampler's name n	noted on COC?		Yes	V	No 🗆			
		<u>s</u>	ample	Receipt	Information	2		
Custody seals int	act on shipping co	ntainer/cooler?	Yes		No 🗆		na 🗹	
Shipping containe	er/cooler in good co	ndition?	Yes	V	No 🗆			
Samples in prope	er containers/bottle	5?	Yes	V	No 🗆			
Sample container	rs intact?		Yes	V	No 🗀			
Sufficient sample	volume for indicate	ed test?	Yes	V	No 🗆			
		Sample Presei	vatio	n and Hol	d Time (HT) Information		
All samples receiv	ved within holding t	ime?	Yes	✓	No 🔲			
Container/Temp B	lank temperature		Coole	er Temp:			NA 🗹	
Water - VOA vials	s have zero heads	pace / no bubbles?	Yes		No 🗆	No VOA vials submit	ited 🗹	
Sample labels che	ecked for correct p	reservation?	Yes	✓	No 🔲			
TTLC Metal - pH a	acceptable upon red	ceipt (pH<2)?	Yes		№ □		NA 🗹	
Samples Received	d on Ice?		Yes		No 🗹			
* NOTE: If the "No	o" box is checked,	see comments below.						
	-							
Client contacted:		Date contacte	ed:			Contacted I	oy:	
Sammanta:								

McCampbell A		ıc.	Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: main 177-252-9262 Fax: 92	@mccampbell.c	com
RGA Environmental		oject ID: #BRE	S 21720; PCB	Date Sampled:	09/29/09	
1466 66th Street	Caulkin	g Removal		Date Received:	09/29/09	
1100000	Client C	Contact: Bob Gil	S	Date Extracted:	09/29/09	
Emeryville, CA 94608	Client P	.O.:		Date Analyzed	10/01/09-1	0/05/09
P	olychlorinated B	iphenyls (PCBs)	Areclors by GC-	ECD*	V ////	van von ver en
Extraction Method: SW3550C	Ana	lytical Method: SW8	082		Work Order:	0909832
Lab ID	0909832-001A	0909832-006A	0909832-007A	0909832-008A	<u> </u>	
Client ID	MI	WG2	BG3	GR1		Limit for
Matrix	S	S	S	S	1	
DF	1	1	1	10	s	W
Compound		. Con	centration		mg/kg	. ug/L
Aroclor1016	ND<0.79	ND<0.50	ND<0.57	ND<5.0	0.025	NA
Aroclor1221	ND<0.79	ND<0.50	ND<0.57	ND<5.0	0.025	NA
Aroclor1232	ND<0.79	ND<0.50	ND<0.57	ND<5.0	0.025	NA
Aroclor1242	ND<0.79	ND<0.50	ND<0.57	ND<5.0	0.025	NA
Aroclor1248	ND<0.79	ND<0.50	ND<0.57	ND<5.0	0.025	NA
Aroclor1254	ND<0.79	1.9	ND<0.57	21	0.025	NA
Aroclor1260	ND<0.79	ND<0.50	ND<0.57	ND<5.0	0.025	NA
PCBs, total	ND<0.79	1.9	ND<0.57	21	0.025	NA
	Surr	ogate Recoveri	es (%)			
%SS:	107	110	111	124		
Comments	a7,h4	a4,h4	a7,h4	a4,h4		

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

a4) the reporting limits were raised due to the sample's matrix prohibiting a full volume extraction.

a7) reporting limit raised due to insufficient sample amount

h4) sulfuric acid permanganate (EPA 3665) cleanup

McCampbell A		ical, In	ıc.		Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: mai 377-252-9262 Fax: 92		com
RGA Environmental				BRES	21720; PCB	Date Sampled:	09/29/09	
1466 66th Street		Caulking	g Removal			Date Received:	09/29/09	
		Client C	ontact: Bo	b Gils		Date Extracted:	09/29/09	
Emeryville, CA 94608		Client P.	O.:			Date Analyzed	10/01/09-1	0/05/09
Extraction Method: SW3550C	Polychlo		phenyls (P	-	Aroclors by GC-I	ECD*	Work Order:	0909832
Lab II	09098	32-011A	0909832-		0909832-014A	0909832-015A	Work Order.	0909832
Client II	, 1	3G5	WG4		GR2	BG6		g Limit for
Matri	(S	S		S	S		
DE		1	1		2	2	S	W
Compound				Conc	entration		mg/kg	ug/L
Aroclor1016	ND	<0.50	ND<0.	91	ND<2.9	ND<1.0	0.025	NA
Aroclor1221	מא	<0.50	ND<0.	91	ND<2.9	ND<1.0	0.025	NA
Aroclor1232	ND	<0.50	ND<0.9	91	ND<2.9	ND<1.0	0.025	NA
Aroclor1242	ND	<0.50	ND<0.9	91	ND<2.9	ND<1.0	0.025	NA
Aroclor1248	ND	<0.50	ND<0.9	91	ND<2.9	ND<1.0	0.025	NA
Aroclor1254	ND	<0.50	ND<0.9	91	16	3.8	0.025	NA
Aroclor1260	ND	<0.50	ND<0.9	91	7.8	1,6	0.025	NA
PCBs, total	ИД	<0.50	ND<0.9	91	23.8	5.4	0.025	NA
		Surro	gate Reco	veries	(%)			
%SS:	1	09	108		99	111		
Comments	a4	,h4	a7,h4		a4,h4	a4,h4		

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

- # surrogate diluted out of range or surrogate coelutes with another peak.
- a4) the reporting limits were raised due to the sample's matrix prohibiting a full volume extraction.
- a7) reporting limit raised due to insufficient sample amount
- h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc.

McCampbell Ar	•	ıc.	Web: www.mccam	Pass Road, Pittsburg, CA obell.com E-mail: main 377-252-9262 Fax: 92		com
RGA Environmental		roject ID: #BRI g Removal	ES 21720; PCB	Date Sampled:	09/29/09	
1466 66th Street	Cudikin			Date Received:	09/29/09	
	Client C	Contact: Bob Gi	ls	Date Extracted:	09/29/09	
Emeryville, CA 94608	Client P	.O.:		Date Analyzed	10/01/09-1	0/05/09
	-) Aroclors by GC-	ECD*		
Extraction Method: SW3550C		lytical Method: SW		1	Work Order:	0909832
Lab ID	0909832-017A	0909832-019		0909832-022A		
Client ID	WG6	M3	GR3	M5		Limit for
Matrix	S	S	S	S		
DF	1	1	10	1 .	S	w
Compound		Co	ncentration		mg/kg	. ug/L
Aroclor1016	ND<0.50	ND<0.60	ND<5.0	ND<0.50	0.025	NA
Aroclor1221	ND<0.50	ND<0.60	ND<5.0	ND<0.50	0.025	NA
Aroclor1232	ND<0.50	ND<0.60	ND<5.0	ND<0.50	0.025	NA
Aroclor1242	ND<0.50	ND<0.60	ND<5.0	ND<0.50	0.025	NA
Aroclor1248	ND<0.50	ND<0,60	ND<5.0	ND<0.50	0.025	NA
Aroclor1254	2.1	ND<0.60	. 22	3.8	0.025	NA
Aroclor1260	ND<0.50	ND<0.60	ND<5,0	ND<0.50	0.025	NA
PCBs, total	2.1	ND<0.60	22	3.8	0.025	NA
	Suri	ogate Recover	ies (%)			
%SS:	83	114	110	108		
Comments	a4,h4	a7,h4	a4,h4	a4,h4		

^{*} water samples in μg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, filter samples in μg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

- a4) the reporting limits were raised due to the sample's matrix prohibiting a full volume extraction.
- a7) reporting limit raised due to insufficient sample amount
- h4) sulfuric acid permanganate (EPA 3665) cleanup

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RGA Environmental, Inc.



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ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Wipe/Solid

QC Matrix: Soil

BatchID: 46130

WorkOrder 0909832

EPA Method SW8082	Extra	ction SW	/3550C						Spiked Sar	nple ID	: 0910023-0)07A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	113	117	3.45	93.1	95.9	2.94	70 - 130	20	70 - 130	20
%SS:	115	0.050	86.8	91.7	5.52	86	89	3.90	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 46130 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909832-001A	09/29/09	09/29/09	10/01/09 5:24 PM	0909832-002A	09/29/09	09/29/09	09/30/09 10:34 PM
0909832-003A	09/29/09	09/29/09	09/30/09 9:38 PM	0909832-004A	09/29/09	09/29/09	09/30/09 8:42 PM
0909832-005A	09/29/09	09/29/09	09/30/09 7:46 PM	0909832-006A	09/29/09	09/29/09	10/01/09 6:19 PM
0909832-007A	09/29/09	09/29/09	10/01/09 7:14 PM	0909832-008A	09/29/09	09/29/09	10/01/09 8:10 PM
0909832-009A	09/29/09	09/29/09	09/30/09 6:49 PM	0909832-010A	09/29/09	09/29/09	09/30/09 5:52 PM
0909832-011A	09/29/09	09/29/09	10/02/09 6:17 AM	0909832-012A	09/29/09	09/29/09	10/02/09 7:11 AM
0909832-013A	09/29/09	09/29/09	10/01/09 2:19 AM	0909832-014A	09/29/09	09/29/09	10/03/09 8:21 AM
0909832-015A	09/29/09	09/29/09	10/03/09 9:16 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

RGA Environmental, Inc. Page 93 of 177 07.13.2010



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Wipe/Solid

QC Matrix: Soil

BatchID: 46154

WorkOrder 0909832

EPA Method SW8082	Extra	ction SW	3550C						Spiked Sar	nple ID	: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%)	1
, undiffe	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0,075	N/A	N/A	N/A	124	108	13.7	N/A	N/A	70 - 130	20
%SS:	N/A	0.050	N/A	N/A	N/A	100	99	0.699	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 46154 SUMMARY

	Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
Γ	0909832-016A	09/29/09	09/29/09	10/01/09 12:25 AM	0909832-017A	09/29/09	09/29/09	10/02/09 9:56 AM
-	0909832-018A	09/29/09	09/29/09	09/30/09 11:30 PM	0909832-019A	09/29/09	09/29/09	10/05/09 7:38 PM
	0909832-020A	09/29/09	09/29/09	10/02/09 4:28 AM	0909832-021A	09/29/09	09/29/09	10/01/09 1:23 AM
	0909832-022A	09/29/09	09/29/09	10/02/09 5:22 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS-MSD) / ((MS+MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

SH QA/QC Officer

	l Analytical, Inc. Ouality Counts"	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
RGA Environmental	Client Project ID: #BRES 21	720 Date Sampled: 12/02/09
1466 66th Street		Date Received: 12/07/09
Emeryville, CA 94608	Client Contact: Bob Gils	Date Reported: 12/15/09
Emeryvine, CA 94006	Client P.O.:	Date Completed: 12/15/09

WorkOrder: 0912162

December 15, 2009

Dear Bob:

Enclosed within are:

- 1) The results of the 4 analyzed samples from your project: #BRES 21720,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager

McCampbell Analytical, Inc.

McCampbell An "When Quality		<u>c.</u>	Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: main 77-252-9262 Fax: 92	@mccampbell.	com	
RGA Environmental	Client Pr	oject ID: #BRES	21720	Date Sampled:	12/07/09		
1466 66th Street	Year			Date Received:	12/08/09		
1400 dour succi	Client C	ontact: Bob Gils		Date Extracted:	12/08/09		
Emeryville, CA 94608	Client P.	O.:		Date Analyzed	12/14/09-1	2/15/09	
Po Extraction Method: SW3550B		phenyls (PCBs) A		ECD*	Work Order:	0912211	
Lab ID	0912211-001A	0912211-002A	0912211-003A	0912211-004A			
Client ID	235926	235927	235928	235929	Reporting DI	g Limit for	
Matrix	S ·	S	S	S			
DF	20	10	2	2	S	W	
Compound		Conc	entration		mg/kg	ug/L	
Aroclor1016	ND<0.50	ND<0.25	ND<0.050	ND<0.050	0.025	NA	
Aroclor1221	ND<0.50	ND<0.25	ND<0.050	ND<0.050	0.025	NA	
Aroclor1232	ND<0.50	ND<0.25	ND<0.050	ND<0.050	0.025	NA	
Aroclor1242	ND<0.50	ND<0.25	ND<0.050	ND<0.050	0.025	NA	
Aroclor1248	ND<0.50	ND<0.25	ND<0.050	ND<0.050	0.025	NA	
Aroclor1254	ND<0.50	(1.1)	0.28	ND<0.050	0.025	NA	
Aroclor1260	ND<0.50	ND<0.25	0.16	ND<0.050	0.025	NA	
PCBs, total	ND<0.50	1.1	0.44	ND<0.050	0.025	NA	
	Surr	Surrogate Recoveries (%)					
%SS:	81	81	73	80			

^{*} water samples in μ g/L, soil/sludge/solid samples in mg/kg, wipe samples in μ g/wipe, filter samples in μ g/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

h4

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

a1,h4

a1) sample diluted due to matrix interference

Comments

h4) sulfuric acid permanganate (EPA 3665) cleanup

Angela Rydelius, Lab Manager

a1,h4

h4

DHS ELAP Certification 1644

[#] surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell A		ıc.	Web: www.mccamp		n@mccampbell.	.com
RGA Environmental		-it ID: #DDEG			12/07/00	
KOA Eliviloilinental	Client Pr	roject ID: #BRES	21/20		12/07/09	X
1466 66th Street			4 4 7 7	Date Received:	12/08/09	Man
	Client C	ontact: Bob Gils		Date Extracted:	12/08/09	
Emeryville, CA 94608	Client P.	O.:		Date Analyzed	12/14/09-1	12/15/09
		phenyls (PCBs) A		ECD*		
Extraction Method: SW3550B	r	lytical Method: SW808	r	T	Work Order:	0912211
Lab ID	0912211-005A	0912211-006A	0912211-007A	0912211-008Å	-9.	
Client ID	235930	235931	235932	235933		g Limit for F =1
Matrix	S	S	S	S		
DF	. 5	5	1	1	S	W
Compound		Conce	entration		mg/kg	ug/L
Aroclor1016	ND<0.12	ND<0.12	ND	ND	0.025	NA
Aroclor1221	ND<0.12	ND<0.12	ND	ND	0.025	NA
Aroclor1232	ND<0.12	ND<0.12	ND	ND	0.025	NA
Aroclor1242	ND<0.12	ND<0.12	ND	ND	0.025	NA
Aroclor1248	ND<0.12	ND<0.12	ND	ND	0.025	NA
Aroclor1254	0.31	0.32	0.18	ND	0.025	NA
Aroclor1260	ND<0.12	ND<0.12	0.11	ND	0.025	NA
PCBs, total	0.31	0.32	0.29	ND	0.025	NA
	Surro	gate Recoveries	(%)			
%SS:	71	78	84	89		
Comments	h4	h4	h4	h4		William Charles
				The second second second second	in the second second	CANCEL CONTRACTOR OF THE PARTY

^{*} water samples in $\mu g/L$, soil/sludge/solid samples in mg/kg, wipe samples in $\mu g/wipe$, filter samples in $\mu g/filter$, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

- a1) sample diluted due to matrix interference
- h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

[#] surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell Ar "When Quality		Inc.	. v	Veb: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: mair 77-252-9262 Fax: 92	@mccampbell.	com
RGA Environmental	Client	Project ID:	BRES 217	720	Date Sampled:	12/07/09	
1466 66th Street	o).		3 5-		Date Received:	12/08/09	
1400 Oour Street	Client	Contact: Bo	ob Gils	2.2	Date Extracted:	12/08/09	
Emeryville, CA 94608	Client	P.O.:		r ph LJT	Date Analyzed	12/14/09-1	2/15/09
Pe	olychlorinated	Biphenyls (F	CBs) Aro	clors by GC-I	CCD*		
Extraction Method: SW3550B		Analytical Method	I: SW8082		_	Work Order:	0912211
Lab ID	0912211-009	A					
Client ID	235934						Limit for =1
Matrix	S						
DF	2		3-11			S	W
Compound			Concenti	ration		mg/kg	ug/L .
Aroclor1016	ND<0.050					0.025	NA
Aroclor1221	ND<0.050	17 17				0.025	NA
Aroclor1232	ND<0.050			215**	1 23 6 5	0.025	NA
Aroclor1242	ND<0.050					0.025	NA
Aroclor1248	ND<0.050					0.025	NA
Aroclor1254	0.095					0.025	NA
Aroclor1260	ND<0.050		472-1			0.025	NA
PCBs, total	0.095		AQUE .	124		0.025	NA
	Su	rrogate Rec	overies (%	6)		Kalin.	
%SS:	75						
Comments	h4						
* water samples in µg/L, soil/sludge/solid samples and all TCLP & SPLP extracts a ND means not detected above the reporting surrogate diluted out of range or surrogate.	re reported in mg	g/L. detection limit		, political			s liquid
a1) sample diluted due to matrix interfere	nce						

DHS ELAP Certification 1644

h4) sulfuric acid permanganate (EPA 3665) cleanup

Angela Rydelius, Lab Manager

McCampbell An "When Quality	Committee of the Commit	c.	Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: mair 377-252-9262 Fax: 92		.com
RGA Environmental	Client Pr	oject ID: #BRES			12/02/09	
1466 66th Street				Date Received:	12/07/09	
1400 doin succi	Client C	ontact: Bob Gils		Date Extracted:	12/07/09	
Emeryville, CA 94608	Client P.	O.:		Date Analyzed	12/07/09-	12/15/09
Po Extraction Method: SW3550B		phenyls (PCBs) A	7	ECD*	Work Order:	0912162
Lab ID	0912162-001A	0912162-002A	0912162-003A	0912162-004A	WOIR Older.	0912102
Client ID	1A	1B	1C	1D		g Limit for F =1
Matrix	S.	S	S	S		
DF	1	20	100	10	S	W
Compound		Conce	entration		mg/kg	ug/L
Aroclor1016	ND<0.50	ND<10	ND<50	ND<5.0	0.025	NA
Aroclor1221	ND<0.50	ND<10	ND<50	ND<5.0	0.025	NA
Aroclor1232	ND<0.50	ND<10	ND<50	ND<5.0	0.025	NA
Aroclor1242	ND<0.50	ND<10	ND<50	ND<5.0	0.025	NA
Aroclor1248	ND<0.50	ND<10	ND<50	ND<5.0	0.025	NA
Aroclor1254	0.99	65	150	14	0.025	NA
Aroclor1260	ND<0.50	ND<10	ND<50	ND<5.0	0.025	NA
PCBs, total	0.99	65	150	14	0.025	NA
	Surro	gate Recoveries	(%)			
%SS:	97	110	120	98		
Comments	a14,h4	h4	h4	h4		

^{*} water samples in $\mu g/L$, soil/sludge/solid samples in mg/kg, wipe samples in $\mu g/mipe$, filter samples in $\mu g/mipe$, filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

a14) reporting limit raised due to the physical nature of the sample h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644



We Telepho	bsite: <u>www.mc</u> me: (877) 252	PITTSBU campbell. -9262	LLOW PA RG, CA 9 com Em	SS RO 4565-17 ail: mi	AD 701 nin@r F	00	npb	ell.co		69					UR			OU	INE) T	IM	E		RUS	SH	24] HR		481	HR	72	O 2 HR	5 DAY (DW)
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SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Sludge	Other	ICE	HCL	HNO,	Other	MTBE / BTEX &	MTBE / BTEX ONLY (EPA 602 / 5021)	TPH as Diesel / Motor Off (1015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarkons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 (8082 PCB's ONLY) Arbelors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA \$15 / 8151 (Acidic Cl Herbicides)	EPA 524.2 7 624 / 8260 (VOCS)	EPA \$25,2 (625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAFIS / PNAS)	CAM 17 Metals (200,7 / 200,8 / 6010 / 6020)	LUFT 5 Metals (200,77/200.8 / 6010 / 6020)	Lead (200,7 / 200.8 / 6010 / 6020)				
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McCampbell Analytical, Inc.

CHAIN-OF-CIISTODY RECORD

Page 1 of 1

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	g, CA 94363-1701 52-9262					Work	Order:	09122	11	C	ClientC	ode: R	GAE				
		☐ WaterTrax	☐ WriteOn	EDF]Excel	1	Fax	1	Z Email		Hard	Сору	Thir	dParty	J-1	flag.
Report to: Bob Gils RGA Enviror	nmental	Email: bo	ob@rgaenv.o	com			Bill to:			.			Requ	uested	TAT;	5 c	iays
1466 66th S Emeryville, ((510) 547-777	treet CA 94608	PO: ProjectNo: #I	BRES 21720)			14 En	A Envir 66 66th neryville k.hechto	Street , CA 94	1608						12/08/2 12/08/2	
Lab ID	Oliver ID		••								Tests	(See le	end b	elow)			
ran in	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0912211-001	235926		Soil	12/7/2009		Α						1	l	I	Ι		
0912211-002	235927		Soil	12/7/2009		Α											
0912211-003	235928		Soil	12/7/2009		Α											
0912211-004	235929		Soil	12/7/2009		Α						· · · · · · · · · · · · · · · · · · ·			<u> </u>		
0912211-005	235930		Soil	12/7/2009		Α								İ			ĺ
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0912211-009	235934		Soil	12/7/2009		Α											
0912211-009	235934		Soil	12/7/2009		Α	<u> </u>										
Test Legend: 1 8082A 6	PCB_S 2 7 12			8				9	-					5 1			

Comments:

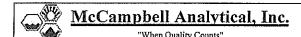
NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

Prepared by: Samantha Arbuckle



Sample Receipt Checklist

Client Name:	RGA ENVIRO	nmentai			Date	and Time Received: 12/8/2	UU9 3:56:41 PW
Project Name:	#BRES 2172	20	,		Check	klist completed and reviewed	by: Samantha Arbuckle
WorkOrder N°:	0912211	Matrix So	<u>il</u>		Carrie	r: Rob Pringle (MA) Courie	er)
			Chain of C	ustody	(COC) Informa	ation	
Chain of custody	y present?		Yes	V	No □		
Chain of custody	signed when r	elinquished and re	ceived? Yes	V	No □		
Chain of custody	y agrees with sa	ample labels?	Yes	V	No 🗆		
Sample IDs noted	by Client on CC	OC?	Yes	V	No 🗆		
Date and Time of	f collection noted	by Client on COC	? Yes	V	No 🗆		
Sampler's name	noted on COC?		Yes	\checkmark	No 🗆		
			Sample	e Recei	pt Information	1	
Custody seals in	tact on shipping	container/cooler?	Yes		No 🗆	NA 🗹	
Shipping contain	er/cooler in goo	d condition?	Yes	V	No 🗆		
Samples in prop	er containers/bo	ottles?	Yes	V	№ □		
Sample containe	rs intact?		Yes	7	No 🗆		
Sufficient sample	volume for ind	icated test?	Yes	₹	No 🗌		
		Samp	le Preservatio	n and l	Hold Time (HT) Information	
All samples recei	ived within holdi	ing time?	Yes	✓	No 🗆		
Container/Temp I	Blank temperatu	re	Cool	er Temp	: 19.9°C	NA 🗆	
Water - VOA vial	ls have zero he	adspace / no bubb	les? Yes		No 🗀	No VOA vials submitted ✓	
Sample labels.ch	necked for corre	ct preservation?	Yes	V	No 🗌		
Metal - pH accep	table upon rece	ipt (pH<2)?	Yes		No 🗆	NA 🗹	
Samples Receive	ed on Ice?		Yes	V	No □		
			(Ice Type: Wi	ETICE)		
* NOTE: If the "N	lo" box is check	ked, see comment	s below.				
		— — — — — — — — — — — — — — — — — — —					
Client contacted:		Dat	e contacted:			Contacted by:	
Comments:							



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 47448

WorkOrder 0912211

EPA Method SW8082	Extraction SW3550B Spiked Sample ID: 0912211										001A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Arocior1260	ND<0.50	0.075	NR	NR	NR	121	122	1.16	70 - 130	20	70 - 130	20
%SS:	81	0.050	77	75	2.16	86	86	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 47448 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0912211-001A	12/07/09	12/08/09	12/14/09 8:19 PM	0912211-002A	12/07/09	12/08/09	12/14/09 9:15 PM
0912211-003A	12/07/09	12/08/09	12/14/09 10:11 PM	0912211-004A	12/07/09	12/08/09	12/14/09 11:07 PM
0912211-005A	12/07/09	12/08/09	12/15/09 12:03 AM	0912211-006A	12/07/09	12/08/09	12/15/09 12:59 AM
0912211-007A	12/07/09	12/08/09	12/15/09 6:52 AM	0912211-008A	12/07/09	12/08/09	12/14/09 10:26 PM
0912211-009A	12/07/09	12/08/09	12/15/09 11:40 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

0912162



PCB BULK SAMPLE DATA SHEET

PAGE / OF /

PM - S. Steiner steff@rgaenv.com fax: 510.899.7051 PM - K Schroeter karin@rqaenv.com fax 510.899.7063 PM - K Pilgrim ken@rgaenv.com fax 510.899.7053

PM – B. Welsbrod brent weisbrod@rgaenv.com fax: 510.899.7062

PM – T. Kattchee tedd@rgaenv.com fax: 510.899.7070

PM - B, Gils bob@rgaenv.com fax: 510.899.7050

Project Name/Address: 100 CALIFORNIA	PO #.
RGA Project #: BRES 21720 Sampled By: M. Ri	
Sample(s) Sent To: McCampbell Other:	Turnaround Time: Rush 24Hrs 3-5 Da
FAX OR E-MAIL REPORT TO: SEE AB	OVE PROJECT MANAGER (PM)
***ADDITIONAL REPORT RECIPIENT(S):	**
HM# C/ Material Description: FXTERICR CAVIA	rinty.

HM# 0/	Material Description: EXTERIOR CAULKING
Sample ID	Sample Location & Material Location Quantity:
18	SOUTH SIDE EXTERIOR WALL (2) - BETWEEN PANELS
18	" (W) - BETWEEN PANELS - NEAR LOUVER
10	NORTH SIDE CORDING DOCK AREA - BETWEEN PANELS
HM# 01	Material Description: CONTINUED
Sample ID	Sample Location & Material Location Quantity:
10	NORTH SIDE EXTERIOR COLUMN SUPPORT - BETWEEN PANELS
HM#	Material Description:
Sample ID	Sample Location & Material Location Quantity:
	GOOD CONDITION APPROPRIATE HEAD SPACE ABSENT CONTAINERS DECHLORINATED IN LAB PRESERVED IN LAB REC'D SEALED & INTACT VIA COLOR CONTAINERS DRESERVATION VOAS OA G METALE OTHER
HM#	Material Description:
Sample ID	Sample Location & Material Location Quantity:
HM#	Material Description:
Sample ID	Sample Location & Material Location Quantity:
- De talente	

Relinquished By: M. NEED	Signature: MIR-1	Date/Time: 12-2-09
Received By: Hanly	Signature X	Date/Time: 1/3/19
Relinquished By:	Signature:	Date/Time:
Received By: Maria Venegus	Signature: Muses 1	Date/Time: 12/7/09 1120

McCampbell Analytical, Inc.



1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

CHAIN-OF-CUSTODY REGORD

Page 1 of 1

WorkOrder:	0912162	ClientCode:	RGAE
------------	---------	-------------	------

☐ WaterTrax ∏WriteOn EDF ☐ Excel Fax ✓ Email HardCopy ☐ ThirdParty ☐ J-flag

Report to:

Bob Gils **RGA Environmental**

1466 66th Street

Email:

bob@rgaenv.com

ProjectNo: #BRES 21720

CC: PO:

Emeryville, CA 94608

(510) 547-7771 FAX (510) 547-1983

Bill to:

Andrea Peacock

RGA Environmental 1466 66th Street

Emeryville, CA 94608

invoices@rgaenv.com

Requested TAT: 5 days

Date Received: 12/07/2009

Date Printed: 12/07/2009

											Requested Tests (See legend below)									
Lab ID	Client ID	Matrix	Collection Date	Hold	1	2	3		4	5	6	7	8	9	10	11	12			
0912162-001	1A	Solid	12/2/2009		A		1							T	1	1	$\overline{}$			
0912162-002	1B	Solid	12/2/2009		Α	<u> </u>		_				ļ		 		_	 			
0912162-003	1C	Solid	12/2/2009		Α			_		_			 	 	<u> </u>					
0912162-004	1D	Solid	12/2/2009		Α		\top				<u> </u>		<u> </u>		 		├──			

Test Legend:

1 8082A_PCB_Solid	2	3	4	5
6	7	8	9	10
44	40			

Prepared by: Maria Venegas

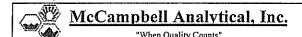
Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	RGA Environme	ental			Date a	and Time Received:	12/7/2009	11:30:57 AM
Project Name:	#BRES 21720				Checl	klist completed and r	eviewed by:	Maria Venegas
WorkOrder N°:	0912162	Matrix Solid			Carrie	er: <u>Courier</u>		
		<u>Cha</u> i	n of Cւ	ıstody (C	COC) Informa	ation		
Chain of custody	/ present?		Yes	V	No 🗆			
Chain of custody	signed when reling	uished and received?	Yes	V	No 🗆			
Chain of custody	agrees with sample	e labels?	Yes	✓	No 🔲 -			
Sample IDs noted	by Client on COC?		Yes	V	No 🗆			
Date and Time of	collection noted by (Client on COC?	Yes	✓	No 🗀			
Sampler's name r	noted on COC?		Yes	✓.	No 🗆			
		:	Sample	Receip	t Information	1		
Custody seals int	tact on shipping con	tainer/cooler?	Yes		№ □		NA 🔽	
Shipping contains	er/cooler in good co	adition?	Yes	$\overline{\mathbf{V}}$	No 🗆			
Samples in prope	er containers/bottles	?	Yes	₹	No 🗆			
Sample containe	rs intact?		Yes	V	№ 🗆			
Sufficient sample	volume for indicate	d test?	Yes	₹	No 🗌			
		Sample Pres	rvatio	n and Ho	old Time (HT) Information		
All samples recei	ved within holding ti	me?	Yes	✓	No 🗀			
Container/Temp E	Blank temperature		Coole	er Temp:			NA 🗹	
Water - VOA vial	s have zero headsp	ace / no bubbles?	Yes		No 🗔	No VOA vials submi	itted 🗹	
Sample labels ch	ecked for correct pr	eservation?	Yes	✓	No □			
Metal - pH accept	table upon receipt (p	H<2)?	Yes		No 🗆		NA 🗹	
Samples Receive	ed on Ice?		Yes		No 🗹			
* NOTE: If the "N	lo" box is checked,	see comments below.		===:				
Client contacted:		Date contac	ted:			Contacted	by:	
Comments:								



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 47448

WorkOrder 0912162

EPA Method SW8082	Extraction SW3550B Spiked Sample ID: 0912211-00										01A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%))
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND<0.50	0.075	NR	NR	NR	121	122	1.16	70 - 130	20	70 - 130	20
%SS:	81	0.050	77	75	2,16	86	86	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 47448 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0912162-001A	12/02/09	12/07/09	12/07/09 7:53 PM	0912162-002A	12/02/09	12/07/09	12/08/09 4:29 PM
0912162-003A	12/02/09	12/07/09	12/15/09 12:37 PM	0912162-004A	12/02/09	12/07/09	12/15/09 2:59 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2),

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer



June 16, 2009

9081 Revised

Mr. Nathan Kelly Broadway Real Estate Services 100 California Street San Francisco, CA

Limited Lead, Asbestos, and PCB Survey Low and High Rise Roof, Columns, Drops 2, 3, & 13 San Francisco, California

Dear Mr. Kelly:

Pursuant to your request and authorization, EnviroNova LLC (EnviroNova), is pleased to present this letter report to Broadway Real Estate Services for conducting a limited lead, asbestos and PCB survey located at 100 California St., San Francisco, California (Site). On May 20, 2009 Mr. Michael Michie, California Certified Site Surveillance Technician (CSST), collected suspect asbestos and lead material samples from the referenced location. Materials such as sealants or caulking have a history of containing lead and Polychlorinated Biphenyls (PCBs), samples of these materials were also collected from the referenced location. The asbestos and lead samples were submitted under chain of custody procedures to Micro Analytical Laboratories of Emeryville, California. The asbestos samples were analyzed via polarized light microscopy (PLM) in accordance with the method specified in appendix A subpart F 40 CFR part 763, section 1. The lead samples were analyzed via flame atomic absorption (FLAA) in accordance with EPA SW-846 method. The PCB samples were submitted under chain of custody procedures to McCampbell Analytical Laboratories of Pittsburg, California. The PCB samples were analyzed via EPA SW8082 method.

On June 4, 2009, EnviroNova returned to collect caulk samples from the curtain panels and the window sealant on the east side. The previous samples collected on May 20, 2009 were from the west side, due to a misunderstanding Urban collected the samples from the west side. EnviroNova returned and collected the samples from the east side. The PCB samples were submitted under chain of custody procedures to McCampbell Analytical Laboratories of Pittsburg, California. The PCB samples were analyzed via EPA SW8082 method.

On June 8, 2009, Broadway Real Estate Services (BRES), EnviroNova, and Urban met in the offices of BRES to discus the results of the samples collected thus far. It was decided that there were enough samples of the window sealant but more were needed of columns (both white and black caulk), the granite panels, and the vertical mullion. EnviroNova collected caulk from eleven (11) columns on all sides of the building. The samples were submitted under chain of custody procedures to McCampbell Analytical Laboratories of Pittsburg, California. The samples were analyzed via EPA SW8082 method. See Table IV for details

On June 9, 2009, EnviroNova collected samples of the granite and the vertical mullion. The samples were collected from three sides of the building at three different floor levels. The samples were submitted under chain of custody procedures to McCampbell Analytical Laboratories of Pittsburg, California. The samples were analyzed via EPA SW8082 method. See Table V for details.

ASBESTOS

Three (3) homogeneous asbestos materials were sampled at the site, yielding three (3) bulk asbestos samples. The homogeneous materials sampled, tested negative for asbestos. Table I below summarizes the material, and location of the samples collected. The report of laboratory analysis and chain of custody are attached.

Table I - Non Asbestos Containing Materials Sampled

Material Description	Material Location
White Sealant	Low Rise Roof
Dark window sealant	Low Rise Roof
White paint	Parapet Wall high rise roof

LEAD

One (1) paint sample and two (2) sealant samples were collected for lead content. The paint and sealants sampled, tested positive for lead content. Table III below summarizes the material, location and lead content of the samples collected. The report of laboratory analysis and chain of custody are attached.

Table II - Materials Sampled for Lead Content

The state of the s	Material Description Location Lead Content (parts per	
--	---	--

110 Landing Court, Suite B Novato, California 94945+415-883-7575 Phone 415-883-7475 FAX

		million)
White Sealant	Low Rise Roof	29 PPM
Dark Window Sealant	Low Rise Roof	1,976 PPM
White Paint	Parapet Wall High Rise Roof	304 PPM

POLYCHLORINATED BIPHENYLS (PCBs)

Two (2) sealant samples (caulking) were collected for PCB content. The sealants sampled, tested positive for PCB content. Table III below summarizes the material, location and PCB content of the samples collected. The report of laboratory analysis and chain of custody are attached.

Table III - Materials Sampled On 5/20/09 for PCBs

Material Description	Location	PCB Content (parts per million)
White Sealant (Column)	Low Rise Roof	25 PPM
Dark Sealant (Window)	Low Rise Roof	12,000 PPM

Ten (10) sealant samples (caulk) were collected for PCB content. The sealants sampled, tested positive for PCB content. Table IV below summarizes the material, location and PCB content of the samples collected. The report of laboratory analysis and chain of custody are attached.

Table IV – Materials Sampled On 6/4/09 for PCBs

Material Description	Location	PCB Content (parts per million)
Curtain Panel	Low Rise Roof West Side	150 PPM
Granite Panel	Low Rise Roof West Side	14 PPM
Window Caulk	7 th Floor West Side	8,800 PPM
Black Granite Sealant	7 th Floor West Side	18,000 PPM
Window Caulk	13 th Floor West Side	15,000 PPM
Black Granite Sealant	13 th Floor West Side	15,000 PPM

110 Landing Court, Suite B ♦Novato, California 94945 ♦415-883-7575 Phone 415-883-7475 FAX

Window Caulk	7 th Floor East Side	15,000 PPM	
Black Granite Sealant	7 th Floor East Side	29,000 PPM	
Window Caulk	13 th Floor East Side	9,400 PPM	
Black Granite Sealant	13 th Floor East Side	38,000 PPM	

Twenty-two (22) sealant samples (caulk) were collected for PCB content. Thirteen (13) sealants sampled, tested positive for PCB content. Table V below summarizes the material, location and PCB content of the samples collected. The report of laboratory analysis and chain of custody are attached.

Table V - Materials Sampled On 6/8/09 for PCBs

Material Description	Location	PCB Content (parts per million)
White Caulk*** Black Caulk	Column 18	8.4*** ND < 50 PPM
White Caulk*** Black Caulk	Column 20	ND < 50*** 6.1 PPM
White Caulk*** Black Caulk	Column 16	ND < 100*** 13 PPM
White Caulk*** Black Caulk	Column 14	ND < 50*** 9.5 PPM
White Caulk*** Black Caulk	Column 12	3.1***1.6 PPM
White Caulk*** Black Caulk	Column 11	21***ND < 10 PPM
White Caulk*** Black Caulk	Column 10	ND < 50***ND < 25 PPM
White Caulk*** Black Caulk	Column 9	ND < 50***ND < 25 PPM
White Caulk*** Black Caulk	Column 7	22*** ND < 10 PPM
White Caulk*** Black Caulk	Column 5	18***61
White Caulk*** Black Caulk	Column 3	12*** ND < 10

Eighteen (18) sealant samples (caulk) were collected for PCB content. The sealants sampled, tested positive for PCB content. Table VI below summarizes the material, location and PCB content of the samples collected. The report of laboratory analysis and chain of custody are attached.

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Table VI - Materials Sampled On 6/9/09 for PCBs

Material Description	Location	PCB Content (parts per million)
White Granite Panel Caulk	Drop 2, 13 th Floor	230 PPM
Continuous Vertical Mullion Caulk	Drop 2,13 th Floor	12 PPM
White Granite Panel Caulk	Drop 2, 9 th Floor	23 PPM
Continuous Vertical Mullion Caulk	Drop 2, 9 th Floor	230 PPM
White Granite Panel Caulk	Drop 2, 7 th Floor	440 PPM
Continuous Vertical Mullion Caulk	Drop 2, 7 th Floor	910 PPM
White Granite Panel Caulk	Drop 13, 13 th Floor	37 PPM
Continuous Vertical Mullion Caulk	Drop 13, 13 th Floor	37 PPM
White Granite Panel Caulk	Drop 13, 9 th Floor	40 PPM
Continuous Vertical Mullion Caulk	Drop 13, 9 th Floor	2,500 PPM
White Granite Panel Caulk	Drop 13, 7 th Floor	2,700 PPM
Continuous Vertical Mullion Caulk	Drop 13, 7 th Floor	5,200 PPM
White Granite Panel Caulk	Drop 3, 13 th Floor	54 PPM
Continuous Vertical Mullion Caulk	Drop 3, 13 th Floor	38 PPM
White Granite Panel Caulk	Drop 3, 9 th Floor	190 PPM
Continuous Vertical Mullion Caulk	Drop 3, 9 th Floor	250 PPM
White Granite Panel Caulk	Drop 3, 7 th Floor	18 PPM
Continuous Vertical Mullion Caulk	Drop 3, 7 th Floor	270 PPM

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110 Landing Court, Suite B Novato, California 94945 415-883-7575 Phone 415-883-7475 FAX

Environmental Protection Agency (EPA) states that caulking that contains PCBs at greater than 50 ppm is not authorized for continued use and must be removed. Although you are not required to remove caulking containing PCBs at levels below 50 ppm, you may wish to because the caulk may present health risks depending on the location, condition, etc. EPA recommends that owners and managers of buildings where PCBs are found in caulking take steps to minimize current potential exposure to building occupants until the caulk and contaminated surrounding materials can safely be removed.

This survey was conducted as a pre-renovation survey and an asbestos, lead and PCB abatement design document. Materials that were not included within the agreed upon scope of work, or could not be sampled discretely, were assumed to contain asbestos or lead or PCB. Until rebutted by appropriate sampling and analysis, these materials should be assumed to contain asbestos or lead or PCB. This survey was planned and implemented on the basis of a mutually agreed upon scope of work, and EnviroNova's previous experience in performing building surveys for asbestos containing materials (ACM), lead and PCB. EnviroNova uses only qualified professionals and laboratories to perform building surveys and sample analyses. However, without complete destructive sampling of all building materials, EnviroNova cannot warrant that the site does not contain in locations other than those noted in this report. EnviroNova sampled only visible and accessible materials suspected of containing asbestos or lead or PCB.

PLM is generally not capable of detecting extremely fine fibers (<0.3 µm in diameter). However, further analysis by transmission electron microscopy is able to detect smaller fibers. However, this is a concern only with certain materials such as floor tiles.

This document was prepared by EnviroNova at the direction of Broadway Real Estate Services, for the sole use of the Broadway Real Estate Services, their sub-contractors the only intended beneficiaries of this work. No other party should rely on the information contained herein without the prior written consent of EnviroNova. This report and the interpretations, conclusions, and recommendations contained within are based in part on information presented in other documents or by other parties that are cited in the text. Therefore, this report is subject to the limitations and qualifications presented in the referenced information

EnviroNova recommends that all renovations that impact the lead and/or PCB containing materials noted in the tables above be performed by a registered abatement contractor. All lead and PCB work and disposal shall be in accordance with the local, State, and Federal regulations.

EnviroNova appreciates the opportunity to provide service on this project and we look forward to future assignments. Do not hesitate to contact me at (415) 408-8691 should you have any questions.

Respectfully submitted,

110 Landing Court, Suite B ♦Novato, California 94945♦415-883-7575 Phone 415-883-7475 FAX

ENVIRONOVA

Michael Michie, CSST (#07-4215) Staff Environmental Specialist

Patrick Garrett, CAC (#92-0337) CA-DPH (#110)

Vice President

Attachments: Laboratory Reports

Chain of Custodies

	Analytical, Inc.	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
EnviroNova	Client Project ID: #9081	Date Sampled: 06/04/09
110 Landing Court, Suite B		Date Received: 06/04/09
Novato, CA 94945-4122	Client Contact: Pat Garrett	Date Reported: 06/08/09
1101410, 021 74743-4122	Client P.O.:	Date Completed: 06/08/09

WorkOrder: 0906159

June 08, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 6 analyzed samples from your project: #9081,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.

														C	9	0	0	15	50	1								.0	40.		
₩ w	McCAMPBELL ANALYTICAL, INC. 1534 WILLOW PASS ROAD PITTSBURG, CA 94365-1701 Website: www.mccampbell.com Telephone: (877) 252-9262 Fax: (925) 252-9269							C			UR			OU	ND	DF	MI	0	PE	RUS	311	Z4	il R		481	HR Wr	72 H	R 5,DAY			
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E-Mail: paccett Bekultonova							(0)	8015) /NTBI		E/B/				-	анве						-					Samples					
Tele: (4/5) 408 - 8691 Fax: ()									15)		5520			= !		SIC				9.		0201	020				for Metals				
Project #: 90	5-1		F	rojec	t Nan	ne:	*****			**********			. *		/ #9	×.	Š	803	-	octor		ides			S	9 / 93	9/0				analysis: Yes/No
Project Location:		1, Ferre.	LIA SI	-	5.1	F					40		12087		90:	35 (4	É	203	cides	. Ac	3	rebic	. 19	(8)	E.	160	109/	20)			1627.140
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SAMPLING E MATRIX METHOL PRESERVE						ED	s Gas (602	(\$10	OBAC	Hydrac	7 DI 08 /	DINEY (I	081 (CI	CB's O	(NP Pest	Acidic	/ 8260 (V	82 b7 £87	8316 (P	(200.777	208.77.2	876010									
SAMPLE ID Field Po	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Air	Sludge	ICE	HCL	HNO	Other	BTEX & TPH as	TPH as Diesel (8015) Total Petraleum Oll 2	Total Petroleum Off & Greas; (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbo 28 (418.1)	EPA 502,2 / 601 / 8010 / 8021 (BVOCs)	MITHE / BTEX ONLY (EPA 502 / 8021)	EPA 505/ 608 / 8081 (C1 Pesticides)	EPA 608 / 8081 PCB's ONLY: Aeoclors / Cangeners	EPA 5077 8141 (NP Pesticides)	EPA 5157 8151 (Acidic Cl. Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	KPA 515.17 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHS / PNAS)	CAM 17 Metals (200,7 / 2/10,8 / 6010 / 6020)	LUFF 5 Metals (2007 / 2008 / 6010 / 6020)	Lead (200,7 / 200,8 / 6010 / 60,20)			
100-1213-1	WHAT CULT	-			-	-	+	V	+			\neg				-			-	X	-		-			-	-	\vdash			
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100-PCB-5	EDGE WWDOW B	-					+	-7	-	-	-				-	-				C	-						-	-			
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McCampbell Analytical, Inc.

CHAN-OF-CUSTODY RECORD

Page 1 of 1

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1 - (48.4)	g, CA 94565-1701 52-9262					Work	Order:	0906	159	(ClientC	ode: E	VNN				
			☐ WriteOn	☐ EDF		Excel	ĺ	Fax	5	Z Email		∐Hard	Сору	Thir	dParty	J-	flag
Novato, CA	g Court, Suite B 94945-4122	Email: pocc: PO: ProjectNo: #8	garrett@envi 9081			En 11	viroNov 0 Landi	Payable va ing Cou :A 9494	rt, Suit			Date	uested e Rece e Prini	ived:	1 day 06/04/2009 06/04/2009		
415-883-7575	5 FAX 415-883-7475						ac	counts(@enviro	nova.c	om				***************************************	yan	
									Requ	iested	Tests (See le	gend be	elow)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0906159-001	100-PCB-1		Solid	6/4/2009		Α		1]	<u> </u>	1				
0906159-002	100-PCB-2		Solid	6/4/2009	151	Α											
0906159-003	100-PCB-3		Solid	6/4/2009		Α	<u> </u>		ĺ						†		
0906159-004	100-PCB-4		Solid	6/4/2009		Α.											
0906159-005	100-PCB-5		Solid	6/4/2009		Α					<u> </u>			İ			
0906159-006	100-PCB-6		Solid	6/4/2009		Ά	i -									1	
6	CB_Solid 2			3 8				<u>4</u>					-	5 10			
11	12											P	repared	by: S	amantl	ha Arbu	ckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	EnviroNova				Date	and Time Received:	06/04/09 5	:05:16 PM		
Project Name:	#9081				Chec	klist completed and re	eviewed by:	Samantha Arbuckle		
WorkOrder N°:	0906159	Matrix Solid			Carrie	er: <u>Client Drop-In</u>				
		Chair	of Cu	ıstody (COC) Inform	ation				
Chain of custody	present?		Yes	V	No 🗆					
Chain of custody	signed when relin	iquished and received?	Yes	V	No □					
Chain of custody	agrees with sam	ole labels?	Yes	✓	No 🗆					
Sample IDs noted	by Client on COC	•	Yes	V	No 🗆					
Date and Time of	collection noted by	Client on COC?	Yes	V	No 🗆					
Sampler's name n	noted on COC?		Yes	V	No 🗆					
		<u>s</u>	ample	Receip	t information	1				
Custody seals int	act on shipping co	ntainer/cooler?	Yes		№ □		NA 🗹			
Shipping containe	er/cooler in good c	ondition?	Yes	V	No 🗆					
Samples in prope	er containers/bottle	es?	Yes	V	No 🗆					
Sample container	rs intact?		Yes	V	No 🗆					
Sufficient sample	volume for indicate	ed test?	Yes	✓	No 🗌					
		Sample Prese	vatio	n and Ho	old Time (HT) Information				
All samples receiv	ved within holding		Yes	✓	No 🗌					
Container/Temp B	llank temperature		Coole	er Temp:	26.2°C		na 🗆			
Water - VOA vials	s have zero heads	pace / no bubbles?	Yes		No 🗆	No VOA vials submit	tted 🗹			
Sample labels che	ecked for correct p	oreservation?	Yes	✓	No 🗌					
TTLC Metal - pH a	acceptable upon re	ceipt (pH<2)?	Yes		No 🗆		NA 🗹			
Samples Received	d on ice?		Yes		No 🗹					
* NOTE: If the "No" box is checked, see comments below.										
				:				- 		
Client contacted:		Date contacto	ed:			Contacted I	ру:			
Comments:										

McCampbell A		ical, In	<u>c.</u>		Web: www.mccamp		94565-1701 @mccampbell.c 5-252-9269	om
EnviroNova		Client Pr	oject ID:	#9081	· · · · · · · · · · · · · · · · · · ·	Date Sampled:	06/04/09	
110 Landing Court, Suite B						Date Received:	06/04/09	
110 Landing Court, Suite B		Client Co	ontact: Pa	ıt Garre	tt	Date Extracted:	06/04/09	
Novato, CA 94945-4122		Client P.	O.:			Date Analyzed:	06/05/09	M
The second of th	Polychlo	rinated Bi	phenyls (P	CBs) A	roclors by GC-I	ECD*		
Extraction Method: SW3550C		Anal	ytical Method	i: SW808	2	<u> </u>	Work Order:	0906159
Lab II	09061	59-001A	0906159	-002A	0906159-003A	0906159-004A		
Client II	100	-PCB-1	100-PC	CB-2	100-PCB-3	100-PCB-4	Reporting DF	Limit for
Matri		S	S		S	S	1	
DF		50	20		2000	5000	S	W
Compound				Conce	entration		mg/kg	ug/L
Aroclor1016	N	D<25	ND<	10	ND<1000	ND<2500	0.025	NA
Aroclor1221	N	D<25	ND<	10	ND<1000	ND<2500	0.025	NA
Aroclor1232	N	D<25	ND<	10	ND<1000	ND<2500	0.025	NA
Aroclor1242	N	D<25	ND<	10	ND<1000	ND<2500	0.025	NA
Aroclor1248	N	D<25	ND<	10	ND<1000	ND<2500	0.025	NA
Aroclor1254		150	14		4100	18,000	0.025	NA
Aroclor1260	И	D<25	ND<	10	4700	ND<2500	0.025	NA
PCBs, total		150	14		8800	18,000	0.025	NA
		Surr	ogate Rec	overies	(%)			
%SS:		103	87		#	#		
Comments		h4	h4		h4	h4		<u> </u>

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 120 of 177 07.13.2010

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (ÉPA 3665) cleanup

McCampbell A		cal, In	<u>c.</u>		Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail; main 177-252-9262 Fax: 92		com
EnviroNova		Client Pr	oject ID:	#9081		Date Sampled:	06/04/09	
110 Landing Court, Suite B						Date Received:	06/04/09	
,		Client C	ontact: Pa	it Garre	tt	Date Extracted:	06/04/09	
Novato, CA 94945-4122		Client P.	0.:			Date Analyzed:	06/05/09	
i	olychlor				roclors by GC-l	ECD*		
Extraction Method: SW3550C Lab ID	09061	Anal 59-005A	lytical Method 0906159-		2		Work Order:	0906159
Client ID		PCB-5	100-PC				Reporting	Limit for
NA.A.Y.		σ.						=1
Matrix DF		S 000	5000	,				T
	ر	000	3000			<u> </u>	S	W
Compound				Conce	entration		mg/kg	ug/L
Aroclor1016	ND	<2500	ND<25	500		,	0.025	NA .
Aroclor1221	ND	<2500	ND<25	500			0.025	NA
Aroclor1232	ND	<2500	ND<25	00			0.025	NA
Arocior1242	ND	<2500	ND<25	00			0.025	NA
Aroclor1248	ND-	<2500	ND<25	00			0.025	NA
Aroclor1254	15	,000	15,00	0		:	0.025	NA
Aroclor1260	ND<	<2500	ND<25	00			0.025	NA
PCBs, total	15	,000	15,00	0	4		0.025	NA
		Surro	gate Reco	veries	(%)			
%SS:	_	#	#					
Comments]	14	h4					
* water samples in µg/L, soil/sludge/solid s samples and all TCLP & SPLP extracts a				n µg/wij	pe, filter samples in	μg/filter, product/oil	/non-aqueous	s liquid

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43664

WorkOrder: 0906159

EPA Method SW8082	Extra	ction SW	3550C					5	Spiked Sar	nple ID	: 0906169-0)01A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%)	1
,	mg/kg	mg/kg	% Rec.	% Rec.	%RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	0.52	0.075	NR	NR	NR	98.4	109	10.2	70 - 130	20	70 - 130	20
%SS:	115	0.050	89	97	8.58	71	78	9.53	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43664 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906159-001A	06/04/09	06/04/09	06/05/09 1:40 AM	0906159-002A	06/04/09	06/04/09	06/05/09 9:42 PM
0906159-003A	06/04/09	06/04/09	06/05/09 9:42 PM	0906159-004A	06/04/09	06/04/09	06/05/09 4:40 PM
0906159-005A	06/04/09	06/04/09	06/05/09 2:50 PM	0906159-006A	06/04/09	06/04/09	06/05/09 2:50 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery \approx 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer

	4.1121.0110.211. 1111.	1534 Willow Pass Road, Pittsburg, CA 94565-1701 www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
EnviroNova	Client Project ID: #9081; 100 California	St. Date Sampled: 06/04/09
110 Landing Court, Suite B	SF	Date Received: 06/05/09
Novato, CA 94945-4122	Client Contact: Pat Garrett	Date Reported: 06/08/09
1107410, 011 74743-4122	Client P.O.;	Date Completed: 06/08/09

WorkOrder: 0906202

June 08, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 4 analyzed samples from your project: #9081; 100 California St. SF,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager

McCampbell Analytical, Inc.

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Wel	IcCAMP osite: www.mc ne: (877) 252	1534 WI PITTSBI campbell	ANA LLOW PA	LY] 3S RO 4565-1	FIC. AD 701 ain@r	AL	, I	N(J.		9	t Michigania.	oceanie de la companya de la company						JO.	NI	AI O T	IM	E		RUS	SH	24	HR		481	I III		HR	JSI- 5 DAY (DW).
Report To: PA	CORV.	ett-		Bill To):					-	-			+	-	NAME OF TAXABLE PARTY.	ins happy store or	***************************************		A	nal	vsis	Rei	que	st	********				*******	Г	ther	. 1	Comments
Tele: (4.5) 4 Project #: 90 Project Location Sampler Signatu	108 - 869 81 : 100 C	T.		E-Ma Fax: (Projec	t Nar	me:	ret	3 Ó	jen	lVr.	rot	73%	2,0	UN	s Gest (602.) 8021 + 8015)	PA 602 / 8021)	R (8/15)	Total Petroleum Oil & Grence (1664 / 8520 E/8&F)	arbens (418.1)		The state of the s	EPA 608 / 8082 PCB's ONLY; Araclars / Congeners			postolici de destruire a conservante de la factoria de secono de secono conservante de secono de	VOCs)	AIII+/ PNAs)	CAM 17 Metals (200,77 200,37 60107 6020)	LUPT S Metals (200.7 / 200.8 / 6010 / 6020).	(6920)		ans sens Agress of Amelio (Africa) is so so amodem (so Ababido Ago)		Filter Samples for Metals analysis: Yes / No
		SAM	PLING		ers		MA	TR	IX	1	MI	SER	OD	D	TPH a	NLY (F	lotar O	HA G	ly droc	8/0108	113) IS	.B's O	NP Pest	Scride C	1) (928	8270 (S	3111 (P.	200.77.2	00.772	87.6010	-	-	-	
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Air	Sludge	Officer	ICE IICe	HCL	200	Other	MTBE/01EX &	MEBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8/115)	Intal Petrofeum (Total Petroleum Hydrocarbens (413.1)	FPA 502.276017801078031 (HVOCs)	EPA 505/ 608 / 8081 (CI Periodes)	EPA 608 / 8082 Pt	EPA 5077 8141 (NP Pesticides)	EPA \$18 / 8151 (Acidic Cl Berbicides)	EPA 524,2 / 624 / 8260 (VDCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SINL 28310 (PAIL) PNAs)	CAM 17 Metals (2	LUPT 5 Metals (2	Lead (208.7 / 280.8 / 6010 / 6920)		Mathed Glock Obligation and American		
100-PCb-7 120-PCb-8 100-PCb-9 100-PCb-11 100-PCb-11 100-PCb-11	13 WS 13 CP 7 WS 7 CP	6:117)							2	2						The state of the s			4000			X X X X X X X X X X X X X X X X X X X							•					
Relinquished By:		Date: 6-S-69 Date:	Time: 3.40211 Time:	1	ived By	1	100	100		1	1		7	1	GOO HEA DEC	OD'S	CON PAC ORI	DIT E A NAT	BSE	IN L	AB_NER	8	/	**			Smotonia	(OM	ME	NTS:		1	
Relinquished By:		Dates	Time:	Rece	ived By	y:	**********	H31004431W	***********	digentinação				1	PRF	SEI	(VE	D IN	VO	AS.	08	G			s (отн	ER:							

McCampbell Analytical, Inc.



1534 Willow Pass Rd Pittsburg, CA 94565-1701

CHAIN-OF-CUSTODY REGORD

Page 1 of 1

(925) 252-9262				WorkOr	der: 0906202	Client	tCode: EVNN		
		WriteOn	☐ EDF	Excel	Fax	☑ Email	HardCopy	☐ ThirdParty	J-flag
Report to: Pat Garrett EnviroNova	Email: cc:	pgarrett@enviror	nova.com	Bil	II to: Accounts Pay EnviroNova	vable	Req	uested TAT:	1 day
110 Landing Court, Suite B Novato, CA 94945-4122 415-883-7575 FAX 415-883-7475	PO; ProjectNo:	: #9081; 100 Calif	ornia St. SF		110 Landing Novato, CA 9	Court, Suite B 4945-4122 ovironova.com		te Received: te Printed:	06/05/2009 06/05/2009

e e									uested				elow)			
Lab ID	Client ID	Matrix	Collection Date Hol	d 1	\bot	2	3	4	5	6	7	8	9	10	11	12
0906202-001	100-Pcb-7	Solid	6/4/2009	I A			,	1	T	T		1	l	l .	Γ	
0906202-002	100-Pcb-8	Solid	6/4/2009	A	T							-	l	—	 	
0906202-003	. 100-Pcb-9	Solid	6/4/2009	Α		_		1		<u> </u>	 		 	 		
0906202-004	100-Pcb-10	Solid	6/4/2009	А						·	1		<u> </u>	 	 	

Test Legend:

1 8082A_PCB_Solid	2	3	4	5
6	7	8	9	10
11	12			1

Prepared by: Maria Venegas

Comments:

24hr Rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



07.13.2010

Sample Receipt Checklist

		Date a	and Time Received:	06/05/09 3	3:47:15 PM	
St. SF		Check	dist completed and r	reviewed by:	Maria Venegas	
x <u>Solid</u>		Carrie	r: <u>Client Drop-In</u>			
Chain of C	ustody	y (COC) Informa	ition			
Yes	V	No 🗆				
nd received? Yes	y	No 🗆				
Yes	✓	№ 🗆				
Yes	V	No 🗆				
COC? Yes	V	No 🗆				
Yes		No 🔽				
Sample	Rece	eipt Information	!			
oler? Yes		No □		NA 🗹		
Yes	✓	No 🗆				
Yes	V	No 🗆				
Yes	V	No 🗆				
Yes	V	No 🗌				
Sample Preservatio	n and	Hold Time (HT)	Information			
Yes	√	No 🗆				
Cool	er Tem	ıp:		NA 🗹		
bubbles? Yes		No 🗆	No VOA vials subm	itted 🗹		
on? Yes	✓	№ 🗌				
(2)? Yes		No 🗆		NA 🗹		
Yes		No 🗹				
ments helow						
						_
Date contacted:			Contacted	by:		
	Yes Ind received? Yes Yes Yes COC? Yes Yes Sample Yes Yes Yes Yes Yes Yes Yes Y	Chain of Custoding Yes Vand received?	Chain of Custody (COC) Information of Part of	Chain of Custody (COC) Information Yes No No	Check Carrier: Cfient Drop-In	St. SF

RGA Environmental, Inc. Page 126 of 177

McCampbell An "When Quality		nc.		Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: mair 177-252-9262 Fax: 92	@mccampbell.	com
EnviroNova		Project ID:	#9081;	100 California	Date Sampled:	06/04/09	
	St. SF	· ·	Í		Date Received:	06/05/09	
110 Landing Court, Suite B	Client	Contact: Pa	t Garre	aft	Date Extracted:		
Novato, CA 94945-4122	Client I				Date Analyzed	06/06/09	
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			*****	naton · · ·	-	00/00/09	
Po Extraction Method: SW3550C	-	Biphenyls (P alytical Method	•	Aroclors by GC-I	ECD*	Work Order:	0906202
Lab ID	0906202-001A	0906202		0906202-003A	0906202-004A	T Cluck	0700202
Client ID	100-Pcb-7	100-Pc	:b-8	100-Pcb-9	100-Pcb-10		Limit for
Matrix	S	S		S	S		
DF	10000	1000	0	5000	10000	S	W
Compound	mg/kg	ug/L					
Aroclor1016	ND<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1221	ND<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1232	ND<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1242	ND<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1248	ND<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
Aroclor1254	15,000	29,00	0	9400	38,000	0.025	NA
Aroclor1260	ND<5000	ND<50	000	ND<2500	ND<5000	0.025	NA
PCBs, total	15,000	29,00	0	9400	38,000	0.025	ÑΑ
	Suri	ogate Reco	overies	(%)			
%SS:	#	#		#	#		
Comments	h4	h4	me de vertina la resolució e el c	h4	h4	en det et timmer ett ett ett ett ett ett ett ett ett e	

^{*} water samples in μg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, filter samples in μg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43632

WorkOrder: 0906202

EPA Method SW8082	Extra	ction SW	3550C						piked Sar	nple ID	: 0906192-0)01A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%))
7 1100 10	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	2.0	0.075	NR	NR	NR	110	108	1.28	70 - 130	20	70 - 130	20
%SS:	123	0.050	85	86	1.35	99	99	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43632 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906202-001A	06/04/09	06/05/09	06/06/09 5:01 PM	0906202-002A	06/04/09	06/05/09	06/06/09 5:01 PM
0906202-003A	06/04/09	06/05/09	06/06/09 5:57 PM	0906202-004A	06/04/09	06/05/09	06/06/09 5:57 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A/QC Officer

McCampbell A		Web; www.r	illow Pass Road, Pittsburg, nccampbell.com E-mail: n hone: 877-252-9262 Fax:	nain@mccampbell.com
EnviroNova	Client Project ID: #9081; 1	100 California	Date Sampled:	06/08/09
110 Landing Court, Suite B	Street		Date Received:	06/08/09
Novato, CA 94945-4122	Client Contact: Pat Garret	t	Date Reported:	06/09/09
1101410, 011 7 1710 1112	Client P.O.:		Date Completed:	06/09/09

WorkOrder: 0906250

June 10, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 11 analyzed samples from your project: #9081; 100 California Street,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager

McCampbell Analytical, Inc.

0906250

l N	McCAMPBELL ANALYTICAL, INC. 1534 WILLOW PASS ROAD PITTSBURG, CA 94565-1701							-		T	-	-	Secretarios de la constante de la constante de la constante de la constante de la constante de la constante de	-	_	ARR	А п	B.I	OF	3.0	TE TA	Ciron	0	-	-	27.4	~~	W > 7	-					
property. 7th STR of	THE E	1534 WI	LLOW PA	SS RO	AD	PLI.	dy Ri	10						·T	3 1 1 3	PLT :	4 D		RI	AL	18	O1		U	51	U	Y	K			RI		_	
TVA	bsife: www.mc	PITTSBU	RG, CA 9	4565-1	701			-11 -						ŀ	UK	(IA)	AK	OU	INI) [IIVI	E		RUS		3-105 V	HR		481	100		2 H		
Telepho	me: (877) 252	-9262	Com Em	2131, 111	annee;	ax:	(925	5) 25	om (2-9)	169			1		l G	eo'	Fra	cke	er E	DI	7		PI)F			XCE						(DW)	Y
							,																				****				1110	. ()1	(1011)	
Report To: PA	Garrett			Bill To);				an accordance (p. cg.	the Artista America									A	na	ysis	Re	que	st						1	Othe	er	Comm	ents
Company:	EnviroN	ova						-					_				Œ	1	1	-	2											T	Filter	
· Circular Company				7 BA-1	1-				a)-bais				-	3015)			B&				1gen							ŀ		-			Sample	96
Tele: (415) 41	8-8691	4//	1	E-Mai	1: P	jar	rett	0	env	100	NOI	VQ -	com				520 E				- S			-	-		20)	(62		- Anna Anna Anna Anna Anna Anna Anna Ann			for Me	
Project#: 90	31	-		rojec	t Na	me:		-		-	Physical Section 1		-	(602 / 8021	8021		100	8.1)	(3)		clors		Jes)			(8)	0976	1 68		-			analysi	
Project Location	: 100 CAlif	minia	3+,	70,100							******		1	\$ (602	7700	15	991)	18 (4)	HYC	ides)	Aro	0	rbicie		2	PNA	109	6010	(6)				Yes/N	0
Sampler Signatu					_			-					1	S Car	PA	8 (80	rease	rbor	021	estir	KLY.	cide	1 He	00	00.4	VIIs.	8.00	9.8	7.603	- Carrieran		-		
15	SAMPLING MATRIX MET									111	.Y (E	or O	S G	droes	10/8	5	30	Pest	dic	30 (7	S) (E	0 (P.	712	7/21	6010									
	LOCATION/		T	ers	ine	-		T		PRI	SE	RVE	-	8	ON	Mot	n Oil	il il	1 80	1608	PO	(NP	(1/4	1 82	187	/831	(200	(200	0.87					
SAMPLE ID	Field Point			Containers	Type Containers						1			MTBE / BTEX	MTBE / BTEX ONLY (EPA 602 (8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Fotat Petroleum Hydrocarbuns (418.1)	EPA 502.2 / 601 / 8010 / 8021 HIVOCs)	EPA 505/ 648 / 8081 (Cl Pesticides)	EPA 608 (8082 PCB'S ONLY, Aroclors / Congent	EPA 507 / 3141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524,2 / 624 / 8260 (VOCs)	EPA 525,2 / 625 / 8270 (SYOCs)	EPA 8270 SIM / 8310 (PAHS / PNAS)	CAM 17 Metals (280.7 / 200.8 / 6010 / 6020)	LUFT 3 Metals (200,7 / 200,8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6920)					
	Name	Date	Time	ont	De C	Water	_	Jan	ler Jer	(12)	7	ő	ler	E/E	E / B	as D	Petr	Petr	502.2	505/	809	201	515/	524,2	525,2	8270	17.5	3 M	(2(10.					
				#	Typ	1×3	Soil	Air	Other	ICE	HCL	HNO3	Other	MILE	ME	Hdl	Fotal	Total	EPA	EPA	EPA	EPA	EPA	EPA.	V.d.3	EPA.	CASI	UE	end					
9081-WM1	Clm# 18	6/8/09				T		+	X	\vdash	-		+	-	-	-			_	-		-	-				-	-	-	-	\vdash			
9081-WM2	clm# 20	15		1		T		7	K		1		+	-	-				-	-	X	-								-				
9081-WM3	Um#16	/				1	-	-	K		+	-	+								-		-		-	-	1	-			-			
9081-WM4	clm# 14	//							x		+		1			-	-		-	-	XX				-	-		-		-	-			
9081-WM 5									X		-	+	+	-							X					-					-			
	CIM# 11							-	X			1	+								X							-		-			-	
9081 - WM7							i		X	-	+	7	+						-		X	-	-			-		-						
	CIMIT 9							+	1		7	-	1	-	1						X		-				-			-				
9081-WM9	Cloud 7						\Box	1.	X		+	1	+	-						-	X	-				-		-						
9081. WM 10	clm# 5								x		1	+	+		+				-	-	X	-		1984				-						-
9081-Wm 11	Nm# 2							+	×			-	1		.							-			-	-	-					-		
1001	Cinc O							T	1	+	\dagger	-	1	+	+	-				-	X.										-			
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Relinquished By:		Date:	Time:	Rece	Ved B	V: 1	1		-				+	ICE	71*	0	-											COS	IME	NOO				
ALE		5848	60€	/	1	4	Y -	8						GO	00 (CON	DIT			_								-(311)	DATE	MIS				
Relinquished D:		Date:	Time:	Rece	ived B	y:	1	-	-		-	-			ADS				NL	AB														1
															ROP				TAI	NEI	RS													1
Relinquished By:		Date:	Time:	Rece	ved R	y:														-														-
														PRE	SER	RVA:	TION		AS	08		ME pH<		S	OTH	ER								-
			-	-	*	-	-	-		and the second	-	-		-	20101	-		-	A-CHARLES	Name of Street	Name and Address	174.1	nuella interes	constitutions	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,		NOTHER DES	-	-		-	and the latest special section in		

McCampbell Analytical, Inc.

1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Pittsburg, (925) 252	CA 94565-1701 -9262					Work	Order:	0906	250	C	Client	Code: E	EVNN				
		WaterTrax	☐ WriteOn	EDF		Excel		Fax	1	✓ Email		Hard	Сору	∏Thi	irdParty	□ J-	-flag
Report to: Pat Garrett EnviroNova		Email: p	ogarrett@envi	ronova.com				counts viroNov	Payabl	e			Req	uested	TAT:	1	l day
110 Landing 0 Novato, CA 9 415-883-7575		t, Suite B PO: 110 Landing Court, Suite B FrojectNo: #9081; 100 California Street Novato, CA 94945-4122										e Rece e Prin		06/08/ 06/08/			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	Req 4	uested 5	Tests	(See le	gend b	elow)	10	11	12
0906250-001	9081-WM 1		Solid	6/8/2009	1 —	T	' <u>-</u> -	T	<u> </u>	1	г — .	_l'		1 2	1 10		112
0906250-002	9081-WM 2		Solid	6/8/2009	╁╬	A				-			ļ	<u>-</u>	<u> </u>	<u> </u>	
0906250-003	9081-WM 3		Solid	6/8/2009	旹	A			<u> </u>	.	<u> </u>		-	-		₩	
0906250-004	9081-WM 4		Solid	6/8/2009	旹	A						_		-		 	├
0906250-005	9081-WM 5		Solid	6/8/2009	旹	A		 	ļ			-		+	 	 	
0906250-006	9081-WM 6		Solid	6/8/2009	怙	A	-			-		 		 	+	╄──	
0906250-007	9081-WM 7		Solid	6/8/2009	怙	A						- 	-	- 		┼	
0906250-008	9081-WM 8		Solid	6/8/2009	İΠ	Α						<u> </u>			+	-	
0906250-009	9081-WM 9		Solid	6/8/2009	悑	Α								<u> </u>	+	 	
0906250-010	9081-WM 10	1	Solid	6/8/2009	T	Α			<u> </u>		-			╅	_	 	
0906250-011	9081-WM 11		Solid	6/8/2009		Α				1		-	_		+	╂──	
Test Legend: 1 8082A PCE 6	B_Solid 2 7 12			3				4						5 10 ared by	/: Ana	Venegas	s
Comments:	24hr rush																

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

24hr rush



Sample Receipt Checklist

Client Name:	EnviroNova					Date a	and Time Received:	6/8/2009 6	:16:09 PW
Project Name:	#9081; 100 Calif	ornia S	treet			Check	dist completed and	reviewed by:	Ana Venegas
WorkOrder N°:	0906250	Matrix	<u>Solid</u>			Carrie	r: <u>Client Drop-Ir</u>	<u>1</u>	
			<u>Chai</u>	n of Cu	stody (COC) Informa	ation		
Chain of custody	present?			Yes	V	No □			
Chain of custody	signed when relinqu	iished an	d received?	Yes	V	No 🗀		,	
Chain of custody	agrees with sample	labels?		Yes	V	No 🗆			
Sample IDs noted	by Client on COC?			Yes	V	No 🗀			
Date and Time of	collection noted by C	lient on C	OC?	Yes	V	No 🗆			
Sampler's name r	noted on COC?			Yes	V	No 🗆			
			9	Sample	Receip	t information]		
Custody seals int	tact on shipping cont	ainer/coo	ler?	Yes		No 🗆		NA 🗹	
Shipping containe	er/cooler in good con-	dition?		Yes	V	No □			
Samples in prope	er containers/bottles?	•		Yes	V	No 🗆			
Sample containe	rs intact?	•		Yes	V	No 🗆			
Sufficient sample	volume for indicated	i test?		Yes	✓	No □			
		Sa	ımple Presi	ervatio	n and H	old Time (HT) Information		
All samples recei	ived within holding tin	ne?		Yes	₹	No 🗆			
Container/Temp E	Blank temperature			Coole	er Temp:			NA 🗹	
Water - VOA vial	ls have zero headspa	ace / no b	oubbles?	Yes		No 🗆	No VOA vials sub	mitted 🗹	
Sample labels ch	necked for correct pre	eservatio	n?	Yes	V	No 🗀			
TTLC Metal - pH	acceptable upon rece	eipt (pH<2	2)?	Yes		No 🗆		NA 🗹	
Samples Receive	ed on Ice?			Yes		No 🗹			
* NOTE: If the "N	lo" box is checked, s	ee comm	nents below.	===	-'	<u> </u>			·
Client contacted:			Date contac	oted:			Contacte	ed by:	
Comments:									

McCampbell A		cal, In	<u>c.</u>		Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: mair 77-252-9262 Fax: 92		com	
EnviroNova			oject ID:	¥9081;	100 California	Date Sampled:	06/08/09		
110 Landing Court, Suite B		Street				Date Received:	06/08/09		
		Client Co	ontact: Pa	t Garre	ett	Date Extracted:	06/08/09		
Novato, CA 94945-4122	1	Client P.0	0.:			Date Analyzed:	06/09/09		
P	olychlorii	nated Bi	phenyls (P	CBs) A	Aroclors by GC-F	ECD*			
Extraction Method: SW3550C	.		ytical Method	: SW808	12	,	Work Order:	0906250	
Lab ID	0906250	0-001A	0906250-	002A	0906250-003A	0906250-004A			
Client ID	9081-7	WM 1	9081-W	M 2	9081-WM 3	9081-WM 4		Limit for	
Matrix	S	S	S		S	S			
DF	5	5	100		200	100	S	W	
Compound			Conce	entration		mg/kg	ug/L		
Aroclor1016	ND<	<2.5	ND<	50	ND<100	ND<50	0.025	NA	
Aroclor1221	ND<	<2.5	ND<	0	ND<100	ND<50	0.025	NA	
Aroclor1232	ND<	<2.5	ND<5	0	ND<100	ND<50	0.025	NA	
Aroclor1242	ND<	<2.5	ND<5	0	ND<100	ND<50	0.025	NA	
Aroclor1248	ND<	<2.5	ND<5	0	ND<100	ND<50	0.025	NA	
Arocior1254	8.4	4	ND<5	0	ND<100	ND<50	0.025	NA	
Aroclor1260	Aroclor1260 ND<2.					ND<50	0.025	NA	
PCBs, total	8.4	4	ND<5	0	ND<100	ND<50	0.025	NA	
		Surro	gate Reco	veries	(%)	1 100 00 \$2 1/1 5000 500		.,,_,	
%SS:	11	6	#		#	#			
Comments h4 a1,a14,h4 a1,a14,h4 a1,a14,h4									

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

surrogate diluted out of range or surrogate coelutes with another peak.

- al) sample diluted due to matrix interference
- a14) reporting limit raised due to the physical nature of the sample
- h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Ar		cal, In	<u>c.</u>		Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: main 77-252-9262 Fax: 92:	@mccampbeli.c	om
EnviroNova		Client Pr Street	oject ID:	#9081;	100 California	Date Sampled:	06/08/09	
110 Landing Court, Suite B		Bucci				Date Received:	06/08/09	
•		Client C	ontact: Pa	it Garre	tt	Date Extracted:	06/08/09	
Novato, CA 94945-4122		Client P.	0.:			Date Analyzed:	06/09/09	
Per Extraction Method: SW3550C	olychlor		phenyls (P lytical Method	•	aroclors by GC-I	ECD*	Work Order:	0906250
Lab ID	09062	50-005A	0906250	-006A	0906250-007A	0906250-008A		
Client ID	9081	-WM 5	9081-W	'M 6	9081-WM 7	9081-WM 8	Reporting DF	
Matrix		S	S		S	S		
DF	,	2	10		10	10	s	W
Compound			Conce	entration		mg/kg	ug/L	
Aroclor1016	NE	><1.0	ND<	5.0	ND<5.0	ND<5.0	0.025	NA
Aroclor1221	NE	0<1.0	ND<	5.0	ND<5.0	ND<5.0	0.025	NA
Aroclor1232	NE	><1.0	ND<	5.0	ND<5.0	ND<5.0	0.025	NA
Aroclor1242	NE	>1.0	ND<	5.0	ND<5.0	ND<5.0	0.025	NA
Aroclor1248	ND	><1.0	ND<	5.0	ND<5.0	ND<5.0	0.025	NA
Aroclor1254	3	3.1	21		ND<5.0	ND<5.0	0.025	NA
Aroclor1260	NE	><1.0	ND<	.0	ND<5.0	ND<5.0	0.025	NA
PCBs, total	21		ND<5.0	ND<5,0	0.025	NA		
	20. 20. 20.0200	Surr	ogate Rec	overie	s (%)			
%SS:		81	100		#	#		
Comments	l	1 4	h4		a1,a14,h4	al,al4,h4		

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

- # surrogate diluted out of range or surrogate coelutes with another peak.
- al) sample diluted due to matrix interference
- a14) reporting limit raised due to the physical nature of the sample
- h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

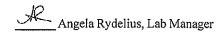
McCampbell A "When Oualir		nc.		Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: mair 177-252-9262 Fax: 92	@mccampbell.	com
EnviroNova	1	Project ID:	#9081;	100 California	Date Sampled:	06/08/09	
110 Landing Court, Suite B	Street				Date Received:	06/08/09	
Tro Sanding Court, Sand S	Client	Contact: Pa	it Garre	ett	Date Extracted:	06/08/09	
Novato, CA 94945-4122	Client I	P.O.:			Date Analyzed:	06/09/09	
P	olychlorinated I	Biphenyls (P	CBs) A	Aroclors by GC-1	ECD*		111 Companyant Companyant
Extraction Method: SW3550C	Aı	alytical Method	l: SW808	2		Work Order:	0906250
Lab ID	0906250-009A	0906250	-010A	0906250-011A	ļ		
Client ID	9081-WM 9	9081-W	M 10	9081-WM 11			Limit for
Matrix	S	S		S			
DF	10	10		10		s	w
Compound			Conce	entration		mg/kg	ug/L
Arocior1016	ND<5.0	ND<5	.0	ND<5.0		0.025	NA
Aroclor1221	ND<5.0	ND<5	.0	ND<5.0		0.025	-NA
Aroclor1232	ND<5.0	ND<5	.0	ND<5.0		0.025	NA
Aroclor1242	ND<5.0	ND<5	.0	ND<5.0		0.025	NA
Aroclor1248	ND<5.0	ND<5	.0	ND<5,0		0.025	NA
Aroclori 254	22	18		12		0.025	NA
Aroclor1260	ND<5.0	ND<5	.0	ND<5.0		0.025	NA
PCBs, total	22	18		12		0.025	NA
	Sur	rogate Rec	overies	(%)			
%SS:	101	78		76			
Comments	h4	h4		h4		And delicated by the second second second	

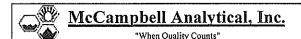
^{*} water samples in μg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, filter samples in μg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

surrogate diluted out of range or surrogate coelutes with another peak.

- a1) sample diluted due to matrix interference
- a14) reporting limit raised due to the physical nature of the sample
- h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644





QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43632

WorkOrder: 0906250

EPA Method SW8082	thod SW8082 Extraction SW3550C Spiked Sample ID: N/A											
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	: Criteria (%)	l
, may to	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0.075	NR	NR	NR	110	108	1.28	0 - 0	0	70 - 130	20
%SS:	123	0.050	N/A	N/A	N/A	99	99	0	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43632 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906250-001A	06/08/09	06/08/09	06/09/09 11:39 AM	0906250-002A	06/08/09	06/08/09	06/09/09 5:33 PM
0906250-003A	06/08/09	06/08/09	06/09/09 5:21 PM	0906250-004A	06/08/09	06/08/09	06/09/09 4:24 PM
0906250-005A	06/08/09	06/08/09	06/09/09 11:46 AM	0906250-006A	06/08/09	06/08/09	06/09/09 11:46 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

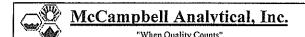
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A/QC Officer



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43664

WorkOrder: 0906250

EPA Method SW8082	A Method SW8082 Extraction SW3550C Spiked Sample ID											
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%)	
,	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0.075	NR	NR	NR	98.4	109	10.2	0 - 0	0	70 - 130	20
%SS:	115	0.050	N/A	N/A	N/A	71	78	9.53	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43664 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906250-007A	06/08/09	06/08/09	06/09/09 5:21 PM	0906250-008A	06/08/0	9 06/08/09	06/09/09 4:24 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

R QA/QC Officer



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43734

WorkOrder: 0906250

EPA Method SW8082 Extraction SW3550C Spiked Sample ID: N/A												
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	Acceptance Criteria (%)		
riidiye	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0.075	N/A	N/A	N/A	100	103	2.38	N/A	N/A	70 - 130	20
%SS:	N/A	0.050	N/A	N/A	N/A	88	101	13.7	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43734 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906250-009A	06/08/09	06/08/09	06/09/09 1:37 PM	0906250-010A	06/08/09	06/08/09	06/09/09 2:33 PM
0906250-011A	06/08/09	06/08/09	06/09/09 3:28 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

2 QA/QC Officer

	Analytical, Inc.	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail; main@mccampbell.com Telephone; 877-252-9262 Fax: 925-252-9269							
EnviroNova	Client Project ID: #9081; 10	0 California St	Date Sampled:	06/08/09					
110 Landing Court, Suite B			Date Received:	06/08/09					
Novato, CA 94945-4122	Client Contact: Pat Garrett		Date Reported:	06/10/09					
1107410, 021 717474122	Client P.O.:		Date Completed:	06/10/09					

WorkOrder: 0906253

June 10, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 11 analyzed samples from your project: #9081; 100 California St,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.

0906253

Web Telepho	osite: <u>www.mcc</u> ne: (877) 252-	1534 WIL PITTSBUI ampbell,	LOW PAS RG, CA 94 com Ema	SS RO. 1565-17 til: ma	AD 101 tin@n F	neen	mpbe			59				UR] G			OU	IND	T	IMI	Ē		RUS	l 811 <u>/</u>	OI 24 DE	HR		481) HR	RD 72.1 rite (١¥
Report To: PAT			В	Bill To	:			,						Analysis Request									C	ther	Comm	ent						
Company: Env	11RO Nova	444														6				c				9							Filter	
Tele: (415)40 Project#: 9	8-8691		F	-Mai ax: (10)	:H_6	en	びまで	ono:	ut.	CUM	Cas (602 / 8015)	8021)		47 5520 E/B&F)	8.1})Cs}		clors / Congen		desi			(5)	0/6020)	1/6020)				Sampl for Me analys	etals is:
Project Location	· Inn Cu	like on i	6 24	Tojec	£ 14311	ne.							(602	117	6	(166	1 (43	INC	ides)	Aro	-	rbici		-	Nd.	199	9109	19			Yes/N	40
Sampler Signatu		WIBI III	2										Gas	b V 6	108	2683	rbon	021 (estic	1.7	cides	1 He	000	00	Hs/	8'00	0.87	/ 602				
Sumpler Signatu	1 7	Citar	PLING	Т	Γ.	T	55 47	RIX	Т	ME	THO	OD	& TPH as	12	r Oi	K G	1362	0.78	CP	0	Pesti	He C	0 5	0 (5)	(P.)	7 / 21	7/20	9109				
		SAME	LING	2	ner	_	WAI	KIA	_	PRES	ER	VED	S TT	ONT.	Moto	OH	Hyd	108/	180	100	(NP	Aci	826	/ 827	831	(200.	200.	1.87			2	
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Sludge	Other	ICE	HNO.	Other	BTEN	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Fotal Petroleum Oil & Grease (1664)	Total Petroleum Hydrocarbons (418.1)	EPA 5022 / 661 / 8010 / 8021 (HVOCs)	EPA 505/ 688 / 8081 (Cl Pesticides)	EPA 608 (8082 PCBA ONLY; Aroclars / Congenera	EPA 507 / 8141 (NP Pesticides)	EPA 5157 8151 (Acidic C) Herbicides	EPA 524.2 / 624 / 8260 (VOCS)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHS / PNAS)	CAM 17 Metals (200.7 / 200,8 > 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6019 / 6029)	Lead (200.7 / 200.8 / 6010 / 6020)				
9081 - BM 1	cm#18	6/8/09							X				Г							X					1							-
9081-BM 2									X.		T									X							-					
9081-BM 3	UM# 16)							X											X		1				-	-					
9081-BM 4	clm # 14								X		T		-			-	*****			X												
9081-BM 5	cim # 12	1							X				-							X				1	1							
9081-BM 6	C/m# 11								X		T									X				7		-	1					********
9081 - BM 7	CIMH 10								K											χ						-	1		rellaurina			Andrews Sales
9081-BM8	Clm# 9		1						X											x												
9081-BM9	clm # 7								X		1									X										T		radjeses
9081-BM ID	clm# 5								X		1						0.00			X										Ī		-
9081-BM11	Clm # 3	1							X		T									X												
1001 07 3-1	101101										T																					
						1						-	-														1		-			
						1					-	1				1								-	+			-				-
Relinquished By:		Date: 6-9-05	Time:	Rece	lved E	N: 1	10	3					G	E/t"_ DOD EAD											-		CO	MAIE	ENTS	:		
Relinquished By:		Date:	Time:	Rect	ived E	By:	- Lagrange		ned puliposities				DI	PRO	ORI PRI	ATE	CO	IN L		es_												
Relinquished By:		Date:	Tinte:	Rece	eived F	By:	/						The state of the s	ESE			V(DAS	0	&G	ME pH<		S	оті	IER							

McCampbell Analytical, Inc.

AURIN AT AIRTANV BEAARD

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(925) 252	, CA 94565-1701 2-9262					Work	Order	9906	253	(ClientC	ode: E	EVNN				
		☐ WaterTrax	WriteOr	☐ EDF] Excel		Fax	[☑ Email		Hard	dСору	Thi	rdParty	☐ J-	flag
Report to: Pat Garrett EnviroNova 110 Landing Novato, CA 9 415-883-7575	Court, Suite B 94945-4122 FAX 415-883-7475	cc: PO:	garrett@env 9081; 100 C		Pin		En 11 No	counts viroNo 0 Land ovato, 0	Payabl va ling Cou CA 9494 @enviro	ırt, Suit 5-4122			Dat	uested e Rece e Prin	ived:	06/08/ 06/08/	
Lab ID	Client ID		** / -	.							Tests	(See le	gend b	elow)			
	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0906253-001	9081-BM 1		Solid	6/8/2009		Α	Ī]	1				1		T	Γ	Γ'''
0906253-002	9081-BM 2		Solid	6/8/2009		Α								 			-
0906253-003	9081-BM 3		Solid	6/8/2009		Α	i -							 	 		
0906253-004	9081-BM 4		Solid	6/8/2009		Α								 	 	 	
0906253-005	9081-BM 5		Solid	6/8/2009		Α					-				\vdash	<u> </u>	
0906253-006	9081-BM 6		Solid	6/8/2009		Α	1								t	-	
0906253-007	9081-BM·7		Solid	6/8/2009		Α											
0906253-008	9081-BM 8		Solid	6/8/2009		Α											
0906253-009	9081-BM 9		Solid	6/8/2009		Α			j								
0906253-010	9081-BM 10		Solid	6/8/2009		Α	"					·					_
0906253-011	9081-BM 11		Solid	6/8/2009		Α								i			
Test Legend: 1 8082A PC 6 11	B_Solid 2 7 12			3 8					1					5 10			
													Prepa	ared by	: Ana \	Venegas	<u> </u>

24hr rush Comments:

> NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	EnviroNova		•			Date a	ind Time Received:	6/8/2009 6	:31:59 PM	
Project Name:	#9081; 100 C	alifornia S	it			Check	list completed and	reviewed by:	Ana Venegas	
WorkOrder N°:	0906253	Matrix	<u>Solid</u>			Carrie	r: <u>Derik Cartan (</u>	MAI Courier)		
			<u>Chai</u>	n of Cu	ıstody	(COC) Informa	tion			
Chain of custody	present?			Yes	V	No 🗆				
Chain of custody	signed when rel	linquished ar	d received?	Yes	V	No 🗆				
Chain of custody	agrees with sar	nple labels?		Yes	V	No 🗆				
Sample IDs noted	by Client on CO	0?		Yes	V	№ □				
Date and Time of	collection noted	by Client on (oc?	Yes	V	No 🗆				
Sampler's name r	noted on COC?			Yes	V	№□				
			<u> </u>	Sample	Recei	pt Information				
Custody seals int	tact on shipping	container/cod	oler?	Yes		No 🗆		NA 🗹		
Shipping containe	er/cooler in good	condition?		Yes	V	No 🗆				
Samples in prope	er containers/bot	tles?		Yes	V	No 🗆				
Sample containe	rs intact?			Yes	✓	No □				
Sufficient sample	volume for indic	ated test?		Yes	✓	№ □				
		<u>s</u>	ample Prese	rvatio	n and l	Hold Time (HT	<u>Information</u>			
All samples recei	ved within holdin	g time?		Yes	V	No 🗆				
Container/Temp E	Blank temperature	€		Coole	er Temp):		NA 🗹		
Water - VOA vial	s have zero hea	dspace / no	bubbles?	Yes		No 🗆	No VOA vials subn	nitted 🗹		
Sample labels ch	ecked for correc	t preservatio	n?	Yes	V	No 🔲			,	
FTLC Metal - pH	acceptable upon	receipt (pH<	2)?	Yes		No 🗆		NA 🗹		
Samples Receive	ed on Ice?			Yes		No 🗹		•		
* NOTE: If the "N	lo" box is checke	ed, see comr	nents below.							
				===	===	=====				
Olient contacted:			Date contac	tod:			Contacted	l bur		
Judin Contacted.			Date Willau	wu.			Comactet	. wy.		
Comments:										

McCampbell A "When Oualit		al, In	C.		Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail; mair 77-252-9262 Fax: 92		com				
EnviroNova			oject ID: #	#9081 <u>;</u>	100 California	Date Sampled:	06/08/09					
110 Landing Court, Suite B	8	St				Date Received:	06/08/09					
	C	Client C	ontact: Pa	t Garre	ett	Date Extracted:	06/08/09					
Novato, CA 94945-4122		Client P.	O.:			Date Analyzed	06/09/09-0	6/10/09				
1	olychlorin		'		Aroclors by GC-I	ECD*						
Extraction Method: SW3550C	T 000.00.00		lytical Method			T	Work Order:	0906253				
Lab ID	0906253	-001A	0906253-	002A 	0906253-003A	0906253-004A]					
Client ID	9081-B	3M 1	9081-BI	М 2	9081-BM 3	9081-BM 4		Limit for				
Matrix	s		S		S	S	1					
DF	10)	10		10	5	S	W				
Compound				Conce	entration		mg/kg	ug/L				
Aroclor1016	ND<	5.0	ND<5.	.0	ND<5.0	ND<2.5	0.025	NA				
Aroclor1221	ND<5	5.0	ND<5.	0	ND<5.0	ND<2.5	0.025	NA				
Aroclor1232	ND<5	5.0	ND<5.	0	ND<5.0	ND<2.5	0.025	NA				
Aroclor1242	ND<5	5.0	ND<5.	o	ND<5.0	ND<2.5	0.025	NA				
Aroclor1248	ND<5	5.0	ND<5.	0	ND<5.0	ND<2.5	0.025	NA				
Aroclor1254	ND<5	5.0	6.1		13	9.5	0.025	NA				
Aroclor1260	ND<5	5.0	ND<5.	0	ND<5.0	ND<2.5	0.025	NA				
PCBs, total	ND<5	5.0	6.1		13	9.5	0.025	NA				
	Surrogate Recoveries (%)											
%SS:	#	ł	#		89	90						
Comments	a1,a14,	,h4	h4		h4	h4						

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

- al) sample diluted due to matrix interference
- a14) reporting limit raised due to the physical nature of the sample
- h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 143 of 177 07.13.2010

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell An		, Inc.		Web: www.mccampl	ass Road, Pittsburg, CA pell.com E-mail: main 77-252-9262 Fax: 92:	@mccampbell.c	om					
EnviroNova	Clie St	nt Project ID:	#9081;	100 California	Date Sampled:	06/08/09						
110 Landing Court, Suite B	31				Date Received: 06/08/09							
,	Clie	ent Contact: Pa	at Garre	tt	Date Extracted:	06/08/09						
Novato, CA 94945-4122	Clie	ent P.O.:			Date Analyzed	06/09/09-0	6/10/09					
Po	olychlorinate	ed Biphenyls (I	•	roclors by GC-E	CCD*	Work Order:	0906253					
Lab ID	0906253-00			0906253-007A	0906253-008A							
Client ID	9081-BM	5 9081-E	3M 6	9081-BM 7	9081-BM 8	Reporting Limit fo. DF =1						
Matrix	S	S		S	S							
DF	1	20	١	50	50	S	W					
Compound			Conce	entration		mg/kg	ug/L					
Aroclor1016	ND<0.50) ND<	10	ND<25	ND<25	0.025	NA					
Aroclor1221	ND<0.50) ND<	10	ND<25	ND<25	0.025 0.025	NA					
Aroclor1232	ND<0.50) ND<	10	ND<25			NA					
Aroclor1242	ND<0.50) ND<	:10	ND<25	ND<25		NA					
Aroclor1248	ND<0.50) ND<	:10	ND<25	ND<25	0.025	NA					
Aroclor1254	1.6	ND<	10	ND<25	ND<25	0.025	NA					
Aroclor1260	ND<0.50) ND<	10	ND<25	ND<25	0,025	NA					
PCBs, total	1.6	ND<	10	ND<25	ND<25	0.025	NA					
	Surrogate Recoveries (%)											
%SS:	126		#	#	#							
Comments	h4	al,a14	,h4	a1,a14,h4	a1,a14,h4							

^{*} water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

surrogate diluted out of range or surrogate coelutes with another peak.

al) sample diluted due to matrix interference

a14) reporting limit raised due to the physical nature of the sample

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Ar "When Quality		cal, In	c.		Web: www.mccamp		94565-1701 @mccampbell. 5-252-9269	com
EnviroNova		1 .	oject ID: #	#9081;	100 California	Date Sampled:	06/08/09	
110 Landing Court, Suite B		St				Date Received:	06/08/09	
Tro Danielle Godin, Called D	į	Client Co	ontact: Pa	it Garre	ett	Date Extracted:	06/08/09	
Novato, CA 94945-4122	·	Client P.	O.:			Date Analyzed	06/09/09-0	06/10/09
	olychlor	-	- • •	,	Aroclors by GC-I	ECD*	7,000	
Extraction Method: SW3550C		Anal	lytical Method	: SW808	2		Work Order:	0906253
Lab ID	09062:	53-009A	0906253-	-010A	0906253-011A			
Client ID	9081	I-BM 9	9081-BN	M 10	9081-BM 11			Limit for
Matrix		S	S		S			
DF		20	100		20		S	W
Compound	<u> </u>			Conce		mg/kg	ug/L	
Aroclor1016	NE	D<10	ND<5	50	ND<10		0.025	NA
Aroclor1221	NE	O<10	ND<5	50	ND<10		0.025	NA
Aroclor1232	NE	><10	ND<5	50	ND<10		0.025	ŊĄ
Aroclor1242	ND	><10	ND<5	50	ND<10		0.025	NA
Aroclor1248	מא	><10	ND<5	0	ND<10		0,025	NA
Aroclor1254	ND	><10	61		ND<10		0.025	NA
Aroclor1260	ND	0<10	ND<5	0	ND<10		0.025	NA
PCBs, total	ND	<10	61		ND<10		0,025	NA
		Surro	gate Reco	veries	(%)			
%SS:		#	#		#			
Comments	al,al	14,h4	h4		a1,a14,h4			The section of the se
* water samples in μg/L, soil/sludge/solid sa samples and all TCLP & SPLP extracts an			pe samples i	n µg/wij	pe, filter samples in	μg/filter, product/oil/	non-aqueous	liquid

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

- # surrogate diluted out of range or surrogate coelutes with another peak.
- al) sample diluted due to matrix interference
- a14) reporting limit raised due to the physical nature of the sample
- h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 145 of 177 07.13.2010



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43734

WorkOrder 0906253

EPA Method SW8082	Extra	ction SW	3550C					5	Spiked Sar	nple ID	: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%))
Allalyto	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0.075	N/A	N/A	N/A	100	103	2.38	N/A	N/A	70 - 130	20
%SS:	N/A	0.050	N/A	N/A	N/A	88	101	13.7	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43734 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906253-001A	06/08/09	06/08/09	06/10/09 11:11 AM	0906253-002A	06/08/09	06/08/09	06/10/09 11:11 AM
0906253-003A	06/08/09	06/08/09	06/09/09 3:27 PM	0906253-004A	06/08/09	06/08/09	06/09/09 4:06 PM
0906253-005A	06/08/09	06/08/09	06/09/09 1:32 PM	0906253-006A	06/08/09	06/08/09	06/09/09 4:24 PM
0906253-007A	06/08/09	06/08/09	06/09/09 6:18 PM	0906253-008A	06/08/09	06/08/09	06/09/09 10:06 PM
0906253-009A	06/08/09	06/08/09	06/09/09 5:33 PM	0906253-010A	06/08/09	06/08/09	06/09/09 9:56 PM
0906253-011A	06/08/09	06/08/09	06/09/09 7:23 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer

	Analytical, Inc.	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
EnviroNova	Client Project ID: #9081	Date Sampled: 06/09/09
110 Landing Court, Suite B		Date Received: 06/09/09
Novato, CA 94945-4122	Client Contact: Pat Garrett	Date Reported: 06/12/09
110valo, 0/1 7-7-9-1122	Client P.O.:	Date Completed: 06/12/09

WorkOrder: 0906293

June 12, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 6 analyzed samples from your project: #9081,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCompbell Applytical Inc.

McCampbell Analytical, Inc.

1906293

Λ.	IcCAMP	RELL	ANA	I.V7	ric	AI	17	VC		***************************************	nanana nagan	Mirchinous				-	************		THE	AT	WAT A		-	TE YE	370	01	743	ID	100	70) N = 11	~	
	ar tracting	1534 WI	LLOW PA	SS RO	AD	2 14, 32, 3	19 11.1	40	•		100	7	8	B	UR	All	A D	OI.	AR.	A.T.	aara Taha	UH Kr		U	16	U	J¥ T	K	起气	LU	RI		X
Wel	site: www.mc	PITTSBU	RG, CA 9	4565-1'	701 nin@r		mah	all a	5 100		1.4	1	E.	di.				VU	1145	9 1.	FIAT	E.		RHS	as SEL	24	HR		48 1	48 L112	7	2 LIL	4DAY
Telepho	ne: (877) 252	-9262	<u> </u>	mi. 111		ax:				269			-	Ç	J G	eo'l	fra	cke	er F	DF	7		PI	F	[JE	Lxce	1	Q	W	rite	Or	(DW)
Report To: PAT	(TAUNA)	7	1	Bill Te):			and discussions						-	***		eriologic (sees)		A	nal	vsis	Rec	iues	ıt.	MPROMOS (NO.	MONITORINA.		-	************	1)the	9"	Comments
Company: Fix	VINONO	1A															_				-	The same of the sa			1		T	T	T		T		Andrew Control of the
						Miles and a second				*****	-	-		8015)			BAF				best												Filter
Teles (Coming				-Mai	1:090	me	26	Pan	ULC	מע	DUL	· C	va	+			20 E/				Con				-		60	6					Samples for Metals
Tele: (415) C Project#: 90 8	08-869	Zi.	1	ax: ()	· ·				-	- Carlotte		Gas (602 / 8021	021)		1.55	9	3		lars !		î			-	/ 602	1 602	-		-		analysis:
Project Location	FUN C	11.6		rojec	E MBI	ne:				<u>.</u>		error tergang		(602	2/8	3	1664	(418	IVO	des	Aroc		bicid		_	PNA	6010	2010					Yes / No
Sampler Signatur	re:	46-1-10	KHIR		100	200	e:/							Gas	34.60	(801	ease	boas	211 (5	abcie	LY	ides)	Her	Q	20	Hs/	0.5	187	6020				
		SAMI	LING	T	la.	П	MA	TDI	·		MET	HO	D	H as	Y (E.	2	& Gr	rocat	0 / 30	CIP	SON	Pesti	the Cl	0 (VC	V2) 0	(PA	77.20	17200	010				
	LOCATION	C22 6 17 13	I	E	Type Containers	-	TEA	1 101	1	PI	RESI	ERV		& TPH	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5510 E/B&F)	Fotal Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (Ci Percides)	EPA 608 / 8082 PCB's ONLY; Anoders / Congeners	EPA 507 / 3141 (NP Penicides)	EPA 5157 8151 (Acidte CI Merbicides)	EPA 524.3 / 624 / 8360 (VOCA)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHS / PNAS)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lend (200.7 / 200.8 / 6010 / 6020)				
SAMPLE ID	Field Point			Containers	onts									MTBE/BTEX	TEX	mel.	oleun	oleun	1097	/ 809	8082	3141	8151	1624	/ 625	SIM	etals	etuls	1/20				
-	Name	Date	Time	ont	Co	Water		Air	10	١.,	-	O	er	E/3	8/3	Q	Petr	Peter	502.2	7505	/ 808	7.00	1818	524.3	25.2	8270	17.8	. S. M.	300.				
				#	Typ	Wa	Soil	Air	Other	ICE	HC	HNO,	Other	HIB	WTB.	FF	Cotta	Cott	PA	Vd.	Vd	A.	PA	PA	PA .	PA.	AM	LIFE.	per		Topology and		
9081-WGP-1	02-13	6.9-09	-		-	H	+	+	Y	-	-			-	-	-	-			_	K	-	-		-		-	_	-	_	_	-	
9081-WGP-1 9081-WGP-2	112-9						-	+	X	-	+	-						·÷			80		-		-			-					*
9081-469-3	02-2	7		-				+	y	-	-					-			-		X			-	-	-				ļ	-		
	00 1		-	<u> </u>	-	-		+	1	H	-										_			-	-		-			-			
9081-CUM-1	02-13				-			-	y	-	-			-		-	-		-	-	×										-		
9081-CUM-2	02-9							+	x	\vdash							- Water				X					-	-						· · · · · · · · · · · · · · · · · · ·
9081-cum-3	02-7	1		-	-		-	+	10	H			-				-	-	-		10				-		-						
	00-1		-				+	-	+	\vdash	\vdash	-		-					-	-	~		-		-			-	-	-			
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Relinquished By		Bate: 6-9-08	Times 579	Rece	ved B	7/	0	7	1	1 (L		CO	ENT.	CON	DIT	HON	1									CON	IME	ENTS	1		
Relinguished By:		Date:	Time:	Deer	ved B	M			V				-	HE	AD S	PAC	EA	BSE	NT_	water and	parellature												
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Relläquished By:		Date:	Time:	Rece	ved B	v:	en en en en en en en en en en en en en e	March Street, or	-		-	-	-		ESE					_	*******						·						
					,	*3531							1						DAS	08	kG:	ME	TAL	S	OTI	IER							
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McCampbell Analytical, Inc.



CHAN-AF-CHSTADY RECARD

Page 1 of 1

17-38 27	illow Pass Rd g, CA 94565-1701 52-9262							: 0906				Lucu Code: F			•		
(723)2.	, , , , , , , , , , , , , , , , , , ,		☐ WriteOn	EDF]Excel		Fax		√ Email		Hard		Thi	rdParty	J.	-flag
Report to: Pat Garrett EnviroNova		Email:	ogarrett@envi	ironova.com				counts		le			Requ	uested	TAT:	3	days
110 Landing	94945-4122 FAX 415-883-7475	PO: ProjectNo: ;	# 9081		***************************************		11 No	0 Landi vato, C	ing Coi A 9494	urt, Suit 15-4122 onova.c						06/09/ 06/09/	
I = 6 15	AU								Req	uested	Tests	(See le	gend b	elow)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0906293-001	9081 - WGP-1		Solid	6/9/2009		Α	l		Ι -	1	[1	Г	T	T	1
0906293-002	9081-WGP - 2		Solid	6/9/2009		Α				 			+			 	+
0906293-003	9081-WGP-3		Solid	6/9/2009		Α			<u> </u>				1		·	 	
0906293-004	9081-CVM-1		Solid	6/9/2009		Α		1					1		1		
0906293-005	9081-CVM-2		Solid	6/9/2009		Α				T				†	1	 	1
0906293-006	9081-CVM-3		Solid	6/9/2009		Α									†		
Test Legend: 1 8082A P 6	CB_Solid			3 8				4		3				5 10			
	D 711 GOD												Prepa	red by:	Melis	sa Valle	<u></u>

Comments: Due Friday COB

> NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

RGA Environmental, Inc.



Sample Receipt Checklist

Client Name:	EnviroNova					Date a	ind Time Received:	6/9/09 4:0	2:33 PW	
Project Name:	#9081					Check	dist completed and	reviewed by:	Melissa Valles	
WorkOrder N°:	0906293	Matrix So	<u>olid</u>			Carrie	r: <u>Client Drop-In</u>			
			Chain c	of Cu	stody (C	COC) Informa	tion .			
Chain of custody	present?			Yes	Y	No □				
Chain of custody	signed when relinqu	ished and re	ceived?	Yes	V	No □				
Chain of custody	agrees with sample	labels?		Yes	$\overline{\mathbf{V}}$	No 🗆				
Sample IDs noted	by Client on COC?			Yes	V	No 🗆				
Date and Time of	collection noted by C	lient on COC	?	Yes	✓	No 🗆				
Sampler's name r	noted on COC?			Yes		No 🗹				
			<u>Sar</u>	nple	Receip	t Information				
Custody seals int	tact on shipping cont	ainer/cooler?	>	Yes		No 🗆		NA 🗹		
Shipping containe	er/cooler in good con-	dition?		Yes	V	No 🗆				
Samples in prope	er containers/bottles?	>		Yes	V	No 🗆				
Sample containe	rs intact?	•		Yes	✓	No □				
Sufficient sample	volume for indicated	test?	,	Yes	✓	No 🗆				
		Samp	le Preserv	atio	n and Ho	old Time (HT)	<u>Information</u>			
All samples recei	ved within holding tin	ne?		Yes	√	No 🗆				
Container/Temp E	Blank temperature			Coole	er Temp:	25.8°C		NA 🗆		
Water - VOA vial	s have zero headspa	ace / no bubl	bles?	Yes		No 🗆	No VOA vials subn	nitted 🗹		
Sample labels ch	ecked for correct pre	eservation?		Yes	V	No 🔲				
TTLC Metal - pH	acceptable upon rece	eipt (pH<2)?		Yes		No 🗆		NA 🗹		
Samples Receive	ed on Ice?	•	,	Yes		No 🗹				
* NOTE: If the "N	lo" box is checked, s	ee commen	's below.							
		====		==	===					
Client contacted:		Da	te contacted	i:			Contacted	d by:		
Comments:										

McCampbell A			<u>ıc.</u>	Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: maii 377-252-9262 Fax; 92	@mccampbell.	com
EnviroNova	ev Counts		roject ID: #9081	reteptione: a	Date Sampled:	06/09/09	···
1107 11 0 . 0 1 0					Date Received:	06/09/09	
110 Landing Court, Suite B		Client C	ontact: Pat Garr	ett	Date Extracted:	06/09/09	
Novato, CA 94945-4122		Client P.	O.:		Date Analyzed	06/09/09-0	6/12/09
	Polychlo	rinated Bi	phenyls (PCBs)	Aroclors by GC-I	CCD*	-control of	
Extraction Method: SW3550C			lytical Method: SW80	=		Work Order:	0906293
Lab ID	0906	293-001A	0906293-002A	0906293-003A	0906293-004A		
Client ID	908	I-WGP-1	9081-WGP-2	9081-WGP-3	9081-CVM-1		Limit for
Matrix		S	S	S	S		
DF		100	20	10	100	S	W
Compound			Conc	entration		mg/kg	ug/L
Aroclor1016	N	ID<50	ND<10	ND<5.0	ND<50	0.025	NA
Aroclor1221	N	D<50	ND<10	ND<5.0	ND<50	0,025	NA
Aroclor1232	N	D<50	ND<10	ND<5.0	ND<50	0.025	NA
Aroclor1242	N	D<50	ND<10	ND<5.0	ND<50	0.025	NA
Aroclor1248	N	D<50	ND<10	ND<5.0	ND<50	0.025	NA
Aroclor1254		230	23	12	230	0.025	NA
Aroclor1260	N	D<50	ND<10	ND<5.0	ND<50	0,025	NA
PCBs, total		230	23	12	230	0.025	NA
		Surre	gate Recoverie	s (%)			
		#	#	#	#		
%SS:	ľ				The state of the s		

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 151 of 177 07.13.2010

[#] surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell An "When Quality of		cal, In	<u>c.</u>		Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: mair 77-252-9262 Fax: 92		
EnviroNova		Client Pro	oject ID:	#9081		Date Sampled:	06/09/09	
110 Landing Court, Suite B						Date Received:	06/09/09	
Tro Landing Court, State B		Client Co	ontact: Pa	it Garre	tt	Date Extracted:	06/09/09	
Novato, CA 94945-4122		Client P.	0.:			Date Analyzed	06/09/09-0	6/12/09
Po	lychlor	inated Bij	phenyls (P	CBs) A	roclors by GC-I	ECD*		
Extraction Method: SW3550C	200.00		ytical Method		2		Work Order:	0906293
Lab ID		93-005A CVM-2	0906293- 9081-C\					
Client ID	9001-	C V IVI-2	9081-01	V 1V1-3				Limit for
Matrix		S	S					
DF	1	100.	100	0			S	W
Compound				Conce	entration		mg/kg	ug/L
Aroclor1016	ИГ	O<50	ND<5	00			0,025	NA
Aroclor1221	NI	><50	ND<5	00			0.025	NA
Aroclor1232	NI	O<50	ND<5	00			0.025	NA
Aroclor1242	NI	O<50	ND<5	00			0.025	NA
Arocior1248	NI	><50	ND<5	00			0.025	NA
Aroclor1254	4	40	910				0.025	NA
Arocior1260	NI	O<50	ND<5	00			0.025	NA
PCBs, total	4	40	910) 			0.025	NA
		Surr	ogate Rec	overies	(%)	rugian viineen in maarin kan kan kan kan kan kan kan kan kan ka		and the control of the state of the particular state of the state of t
%SS:	-	#	#	ŧ				
Comments	1	h4	h4					
* water samples in µg/L, soil/sludge/solid s samples and all TCLP & SPLP extracts an ND means not detected above the reporting	re report ng limit;	ed in mg/L N/A means	s analyte no				l/non-aqueou	s liquid

DHS ELAP Certification 1644

h4) sulfuric acid permanganate (EPA 3665) cleanup

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43755

WorkOrder: 0906293

EPA Method SW8082	Extra	ction SW	3550C						Spiked Sar	nple ID	: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%))
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0,075	N/A	N/A	N/A	109	107	2.15	N/A	N/A	70 - 130	20
%SS:	N/A	0.050	N/A	N/A	N/A	107	108	0.485	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43755 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906293-001A	06/09/09	06/09/09	06/11/09 10:12 AM	0906293-002A	06/09/09	06/09/09	06/11/09 6:57 PM
0906293-003A	06/09/09	06/09/09	06/11/09 7:52 PM	0906293-003A	06/09/09	06/09/09	06/12/09 1:21 AM
0906293-004A	06/09/09	06/09/09	06/11/09 12:58 PM	0906293-005A	06/09/09	06/09/09	06/11/09 4:10 PM
0906293-006A	06/09/09	06/09/09	06/09/09 11:42 PM				ľ

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content,

DHS ELAP Certification 1644

R QA/QC Officer

McCampbell A "When Oualing"		1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
EnviroNova	Client Project ID: #9081	Date Sampled: 06/09/09
110 Landing Court, Suite B		Date Received: 06/09/09
Novato, CA 94945-4122	Client Contact: Pat Garrett	Date Reported: 06/12/09
140vato, CA 94943-4122	Client P.O.:	Date Completed: 06/12/09

WorkOrder: 0906294

June 12, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 6 analyzed samples from your project: #9081,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.

N	ACAMD	DETI	ABTA	W W.77	רשונים	A W		NT/C	5			The state of the s				_	*****				nurcen, and			-	Mark Sandard	0	191	de	20	74	-		
We Telepho	deCAMP	PITTSBU campbell 2-9262	LLOW PA	ASS RO 4565-1	AD 701 nin@r	nec		el).c	om		F	THE WAY			UR l G									RUS	H	24	HR		48 H	CO HR W	7	2 HF	4 DAY
Report To: PAT			6.	Bill To);														A	nal	ysis	Rec	ques	t						(the	r	Comments
Company, 1210	UITCONOV	ALL		***********										5)			G				Ę												Filter
	***************************************			E-Mai	1:	**********								8015)			E/B&				nagen												Samples
Tele: (415)	108-86	91		Fax: ().				******	NAME OF TAXABLE PARTY.	N. W. Seller		/ 8021 +	1		5520	_	_		3/0						020)	020)	-				for Metals
Project#: 90	81	.,,		rojec	t Nat	ne:		7777444		-				(602 / 8	/ 802		7 199	418.1	OCs	(F	eclar		cides)			(4.8)	10 / 6	970	many years				analysis: Yes / No
Project Location Sampler Signatu	: 100 61	9-CIFOR	CNIA	57	Kh	NE.	7.					12707900		9) 5#2	1 602	(5104	1) ac	cas (-	I (FE'	belde	Y: A	(12)	E P	(8)	(3)	s (P.	09/1	09/	120)				1 C3 / 14G
Ostripier Signatu	ic.		-	T	T	Т	-		-	-	MET	210	-	1 25 6	(EP)	100	Grea	ocarb	/ 802	I Pen	ONE	stick	CH	WOC	(SVO	PAH	7200.	2007	9/01				
	LOCATION/	SAMI	PLING	12	iners	_	MA	TRI	X		RESE			Z TPI	ONEX	Motor	Oil &	Hydn	/8010	081 (C	CB's	(NP Pe	(Acidie	8250	8270	8310 (200.7	100.1/	8/60				
SAMPLE ID	Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	All	Other	ICE	HCL	HNO,	Other	MTBE / BTEX	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbous (418.1)	EPA 502.2 / 601 / 8010 / 80211 (HVOCs)	EPA 505/ 608 / 8081 (CI Penticides)	EPA 608 / 8082 PCB's, ONLY; Arectors / Congenera	EPA 507 / 8141 (NP Pestiddes)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 524 / 8250 (VOCs)	EPA 525.1 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHS / PNAS)	CAM 17 Metals (209.7 / 209.8 / 6019 / 6020)	LUFT S Metals (200.7 / 200.8 / 6010 / 6020)	Lend (200.7 / 200.8 / 6010 / 6020)				
9081-WGP-4	013-13	6-9-04	1	†		-		+	30	-	\vdash		-		-	-	-	-	_	-	上		- 102	M.	201	Las	0	7	1			\dashv	-
9081-WGP-5	013-9	(t		-		+	10	-			-				-				K	********											e.
9081-WGP-6		7						+	30	ļ			1	-		-		\neg			20		-	-									-
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9081-CVM-4	D13-13	(1	+	20						\neg						ير												
9081-CVM-5	D13-9							+	×				1	-		7					10			-	-	-							
9081-CVM-6	D13-7						1	1	10		T		7		1	1		-			20		~~					:					
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Relinquished By:		Date:	Time:	Recei	ved By	r:		V	-	-				DE(AD S	ORI	TAP	ED I	NL			4											and the second
Relinquished By:	-	Date:	Times	Recei	ved By	<i>i</i> :	and the second							PRI	PRO	EVE	NI C	VO		Name of the last		ME	TAL	S (отн	ER							THE STATE OF THE S
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McCampbell Analytical, Inc.

1534 Willow Pass Rd

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Date Printed: 06/09/2009

Pittsburg, CA 94565-1701 (925) 252-9262				WorkOr	der: 090629	4 Client	Code: EVNN		
		☐ WriteOn	☐ EDF	☐ Excel	Fax	✓ Email	HardCopy	ThirdParty	☐ J-flag
Report to:				Bil	I to:		Rec	uested TAT:	4 days
Pat Garrett	Email:	pgarrett@environ	iova.com		Accounts Pa	ayable			-
EnviroNova	cc:				EnviroNova	•			
110 Landing Court, Suite B	PO:				110 Landing	Court, Suite B	Da	te Received:	06/09/2009

Novato, CA 94945-4122 ProjectNo: #9081 Novato, CA 94945-4122 415-883-7575 FAX 415-883-7475 accounts@environova.com

TOO AND TO STATE OF THE PARTY O				an iin aanii aan iin a	·						iniminano o					
								Req	uested	Tests	(See le	gend be	elow)			
Lab ID	Client ID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0906294-001	9081-WGP 4	Solid	6/9/2009		Α				T	l	1			T		
0906294-002	9081-WGP-5	Solid	6/9/2009		Α		ĺ				1	İ	<u> </u>			
0906294-003	9081-WGP-6	Solid	6/9/2009		Α		i .		i .			1	i –			
0906294-004	9081-CVM-4	Solid	6/9/2009		Α							1	i	1		
0906294-005	9081-CVM-5	Solid	6/9/2009		Α											
0906294-006	9081-CVM-6	Solid	6/9/2009		Α								Ì			

Test Legend:

1 8082A_PCB_Solid	2	3	4	5
6	7	8	9	10
11	12			
	•			Duamanad kan Mallana Mallan

Prepared by: Melissa Valles

Comments: Due Friday COB

> NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	EnviroNova				Date	and Time Received:	6/9/09 4:0	9:00 PM
Project Name:	#9081				Che	cklist completed and	reviewed by:	Melissa Valles
WorkOrder N°:	0906294	Matrix Solid			Carri	ier: <u>Client Drop-Ir</u>	L	
		<u>Chair</u>	of Cu	ıstody ((COC) Inform	nation		
Chain of custody	/ present?		Yes	V	No 🗆			
Chain of custody	signed when reling	uished and received?	Yes	V	No 🗆	•		
Chain of custody	agrees with sample	labels?	Yes	√	No 🗆			
Sample IDs noted	by Client on COC?		Yes	V	No □			
Date and Time of	collection noted by C	lient on COC?	Yes	✓	№ □			
Sampler's name r	noted on COC?		Yes	V	No 🗆			
		<u>s</u> :	ample	Receip	t Informatio	n		
Custody seals int	act on shipping cont	ainer/cooler?	Yes		No 🗆		NA 🔽	
Shipping containe	er/cooler in good con	dition?	Yes	V	No 🗆			
Samples in prope	er containers/bottles	,	Yes	✓	No 🗆			
Sample container	rs intact?		Yes	V	No 🗆			
Sufficient sample	volume for indicated	i test?	Yes	V	No 🗆			
		Sample Preser	vatio	n and Ho	old Time (H	F) Information		
All samples receiv	ved within holding tin	ne?	Yes	✓	No 🗌			
Container/Temp B	lank temperature		Coole	r Temp:	25.8°C		NA 🗆	
Water - VOA vials	s have zero headspa	ice / no bubbles?	Yes		No 🗆	No VOA vials subr	nitted 🗹	
Sample labels ch	ecked for correct pre	eservation?	Yes	V	No 🗌			
TTLC Metal - pH a	acceptable upon rece	ipt (pH<2)?	Yes		No 🗆		NA 🗹	
Samples Received	d on Ice?		Yes		No 🗹			
* NOTE: If the "N	o" box is checked, s	ee comments below.		·			====	
Client contacted:		Date contacte	ed:			Contacted	i by:	
Comments:								

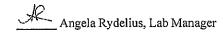
McCampbell A		ical, In	<u>c.</u>		Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: main 77-252-9262 Fax: 92	@mccampbell.c	om:
EnviroNova		Client Pr	oject ID:	#9081		Date Sampled:	06/09/09	
110 Landing Court, Suite B						Date Received:	06/09/09	
110 Ealiding Court, Suite B		Client C	ontact: Pa	it Garre	ít	Date Extracted:	06/09/09	
Novato, CA 94945-4122		Client P.	O.:			Date Analyzed	06/11/09-0	6/12/09
	Polychlo	rinated Bi	phenyls (F	CBs) A	roclors by GC-I	ECD*	waaraa aa aa aa aa aa aa aa aa aa aa aa a	
Extraction Method: SW3550C		Anal	lytical Method	l: SW808	2		Work Order:	0906294
Lab II	09062	94-001A	0906294	-002A	0906294-003A	0906294-004A		
Client IL	9081	-WGP 4	9081-W	GP-5	9081-WGP-6	9081-CVM-4		Limit for
Matri		S	S		S	S		
DI		20	20		20	2000	S	W
Compound				Conc	entration		mg/kg	ug/L
Aroclor1016	N	D<10	ND<	10	ND<10	ND<1000	0.025	ŅA
Aroclor1221	И	D<10	ND<	10	ND<10	ND<1000	0.025	NA
Aroclor1232	И	D<10	ND<	10	ND<10	ND<1000	0,025	NA
Aroclor1242	N	D<10	ND<	10	ND<10	ND<1000	0.025	NA
Arocior1248	N	D<10	ND<	10	ND<10	ND<1000	0.025	NA
Aroclor1254		37	37		40	2500	0.025	NA
Aroclor1260	N	D<10	ND<	10	ND<10	ND<1000	0.025	NA
PCBs, total		37	37		40	2500	0.025	NA
		Surr	ogate Rec	overie	s (%)			
%SS:		#	#	!	#	#		
Comments		h4	h4		h4	h4		
* water samples in µg/L, soil/sludge/soli samples and all TCLP & SPLP extracts		in mg/kg, w	ipe samples	in μg/w			l/non-aqueou	s liquid

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644



McCampbell Ar		cal, In	<u>c.</u>		Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: mair 377-252-9262 Fax: 92		com
EnviroNova		Client Pr	oject ID:	#9081		Date Sampled:	06/09/09	
110 Landing Court, Suite B						Date Received:	06/09/09	
		Client C	ontact: Pa	ıt Garre	tt	Date Extracted:	06/09/09	
Novato, CA 94945-4122		Client P.	O.:			Date Analyzed	06/11/09-0	06/12/09
. Pe	olychlor			•	roclors by GC-l	ECD*		
Extraction Method: SW3550C	00060		lytical Method		2	", "" " " " " " " " " " " " " " " " " "	Work Order:	0906294
Lab ID		94-005A	0906294				1	
Client ID	9081-	CVM-5	9081-CV	/M-6				Limit for
Matrix		S	S]	
DF	20	000	1000)			S	W
Compound	!			Conce	entration		mg/kg	ug/L
Aroclor1016	ND<	1000	ND<5	00			0.025	NA
Aroclor1221	ND<	1000	ND<5	00			0.025	NA
Aroclor1232	ND<	1000	ND<5	00			0.025	NA
Aroclor1242	ND<	:1000	ND<5	00			0.025	NA
Aroclor1248	ND<	1000	ND<5	00			0.025	NA
Aroclor1254	27	00	3500	,			0.025	NA
Aroclor1260	ND<	1000	1700				0.025	NA
PCBs, total	27	00	5200				0.025	NA
	<u></u>	Surro	gate Reco	overies	(%)			
%SS:		-#	#					
Comments	h	4		mer er fer meig kunnterm til bekabet til reprovite humm kunternen og by	And the second s			
* water samples in µg/L, soil/sludge/solid s samples and all TCLP & SPLP extracts ar				in μg/wij	pe, filter samples in	μg/filter, product/oil	/non-aqueous	liquid
ND means not detected above the reporting	ng limit;]	N/A means	analyte not	applica	ble to this analysis			
# surrogate diluted out of range or surroga	ite coelut	es with and	other peak.					
h4) sulfuric acid nermanganate (EPA 3669	5) cleanu	1						

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc. Page 159 of 177 07.13.2010



QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43755

WorkOrder: 0906294

EPA Method SW8082	Extra	ction SW	3550C					S	Spiked Sar	nple ID	: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%))
7 thatyto	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	ceptance	LCS/LCSD	RPD
Aroclor1260	N/A	0.075	N/A	N/A	N/A	109	107	2.15	N/A	N/A	70 - 130	20
%SS:	N/A	0.050	N/A	N/A	N/A	107	108	0.485	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43755 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906294-001A	06/09/09	06/09/09	06/11/09 8:47 PM	0906294-002A	06/09/09	06/09/09	06/11/09 11:31 PM
0906294-003A	06/09/09	06/09/09	06/12/09 12:26 AM	0906294-004A	06/09/09	06/09/09	06/11/09 11:31 PM
0906294-005A	06/09/09	06/09/09	06/12/09 12:26 AM	0906294-006A	06/09/09	06/09/09	06/11/09 8:05 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

R QA/QC Officer

RGA Environmental, Inc. Page 160 of 177 07.13.2010

	Analytical, Inc.	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269
EnviroNova	Client Project ID: #9081	Date Sampled: 06/09/09
110 Landing Court, Suite B		Date Received: 06/09/09
Novato, CA 94945-4122	Client Contact: Pat Garrett	Date Reported: 06/12/09
1907ato, CA 94943-4122	Client P.O.:	Date Completed: 06/12/09

WorkOrder: 0906292

June 12, 2009

Dear Pat:

Enclosed within are:

- 1) The results of the 6 analyzed samples from your project: #9081,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager McCampbell Analytical, Inc.

0906292

Web Telepho	osite: <u>www.mcc</u> ne: (877) 252	PITTSBU empbell. -9262	LOW PA RG, CA 9- com Em	SS RO. 1565-17 nil: ma	AD 701 nin@n	nces	mpb		mi		Button.	The same of the sa	177 E		UR G			OU	ND	T	M	OF E		US RUS	T(24	Y HR		48 H	IR:	72 I	IR.	4DAY (DW)
Report To: PAT	GARREL	7		HII To);				MATERIA DI MATERIA			ببشنين		-	The same of the sa			-	A	nal	vsis	Rec	ues	t						0	ther	To	Comments
Company: EN	VIKO NOV	4 66	€		-								_	_			6		-		2						- 7				T	T	-
Tele: (4/5) 40	nc e/6	7	E	-Mai ax: (rojec	1:09	er	rez	T PE	2015	1/80	no	ve.	cap	17 8015)		-	20 E/B&				Congene						101	(0)	-	General	Witness and Association of the Publisher	5	Filter Samples or Metals
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SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Air	Other	ICE	HCL	HNO,	Other	MTBE / BTEX &	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (3015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (CI Pericides)	EPA 608 / 8062 PCB's ONLY; Aroclary / Congeners	EPA 507 / 8141 (NP Perticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)				
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McCampbell Analytical, Inc.



1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

		WorkOr	der: 0906292	Clie	ntCode: EVNN	
☐ WriteOn	EDF	☐ Excel	Fax	☑ Email	HardCopy	☐ ThirdParty

Report to:

Pat Garrett EnviroNova

110 Landing Court, Suite B

Novato, CA 94945-4122 415-883-7575

FAX 415-883-7475

Email:

pgarrett@environova.com

CC: PO:

ProjectNo: #9081

Bill to:

✓ Email

J-flag 4 days

Accounts Payable

EnviroNova

110 Landing Court, Suite B

Novato, CA 94945-4122 accounts@environova.com Date Received: 06/09/2009 Date Printed:

Requested TAT:

06/09/2009

									Red	uested	Tests	(See le	gend b	elow)			
Lab ID	Client ID	Matrix	Collection Date	Hold	1	2		3	4	5	6	7	8	9	10	11	12
0906292-001	9081-WGP-7	Solid	6/9/2009		Α	T	T				Τ	1		T	T	1	
0906292-002	9081-WGP-8	Solid	6/9/2009		Α		十			+				 	 	 	┼─
0906292-003	9081-WGP-9	Solid	6/9/2009		Α		_				-			+		╁	┼
0906292-004	9081-CVM-7	Solid	6/9/2009		A		1		•				<u> </u>	 	 	 	├──
0906292-005	9081-CVM-8	Solid	6/9/2009		A		\top			-				 	+	 	
0906292-006	9081-CVM-9	Solid	6/9/2009		A	1				1	 	 	 	 -	+	\vdash	

Test Legend:

1 8082A_PCB_Solid	2	3	4	5
6	7	8	9	10
11	12			

Prepared by: Melissa Valles

Comments:

Due Friday COB

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name:	EnviroNova				Date an	nd Time Received:	6/9/09 3:5	5:10 PM	
Project Name:	#9081				Checkli	ist completed and i	reviewed by:	Melissa Valles	
WorkOrder N°:	0906292	Matrix <u>Solid</u>			Carrier:	: Client Drop-In		•	
		Chair	of Cu	istody (C	OC) Informat	tion			
Chain of custody	y present?		Yes	V	No □				
Chain of custody	y signed when reli	equished and received?	Yes	V	No 🗆				
Chain of custody	y agrees with sam	ple labels?	Yes	✓	No 🔲				
Sample IDs noted	d by Client on COC	?	Yes	V	No 🗆				
Date and Time of	f collection noted by	/ Client on COC?	Yes	✓	No 🗆				
Sampler's name	noted on COC?		Yes	V	No □				
	•	<u>s</u>	ample	Receipt	Information				
Custody seals in	tact on shipping c	ontainer/cooler?	Yes		№ 🗆		NA 🗹		
Shipping contain	er/cooler in good o	ondition?	Yes	V	No 🗆				
Samples in prop	er containers/bottl	es?	Yes	✓	No 🗆				
Sample containe	ers intact?		Yes	V	No 🗆				
Sufficient sample	e volume for indica	ted test?	Yes	✓	No 🗆				
		Sample Prese	rvatio	n and Ho	old Time (HT)	Information			
All samples rece	ived within holding	time?	Yes	✓	No 🗆				
Container/Temp	Blank temperature		Coole	er Temp:	25.8°C		NA \square		
Water - VOA via	ls have zero head	space / no bubbles?	Yes		No 🗆 🗆	No VOA vials subm	nitted 🗹		
Sample labels cl	hecked for correct	preservation?	Yes	V	No 🗌				
TTLC Metal - pH	acceptable upon r	eceipt (pH<2)?	Yes		No 🗆		NA 🗹		,
Samples Receive	ed on Ice?		Yes		No 🗹				
* NOTE: If the "I	No" box is checked	i, see comments below.	 -	===:		=====			
Client contacted:		Date contact	ed:			Contacted	l by:		
Comments:									

McCampbell Ar "When Quality		al, In	<u>c.</u>	1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269						
EnviroNova		Client Pr	oject ID: #	[‡] 9081	тогорионе. с	Date Sampled:	06/09/09			
						Date Received: 06/09/09				
110 Landing Count, Suite B	-	Client Co	ontact: Pa	t Garre	:tt	Date Extracted:	06/09/09			
Novato, CA 94945-4122	- -	Client P.	0.:			Date Analyzed	06/11/09			
Po Extraction Method: SW3550C	phenyls (P	•	roclors by GC-I	ECD*	Work Order:	0906292				
Lab ID	0906292	0906292-001A		002A	0906292-003A	0906292-004A		Control of the Contro		
Client ID	9081-W	VGP-7	9081-W	3P-8	9081-WGP-9	9081-CVM-7	Reporting DF	Limit for		
Matrix	S	3	S		S	S]			
DF	50		20		20	100	S	W		
Compound				Conce	entration		mg/kg	ug/L		
Aroclor1016	ND<25		ND<1	0	ND<10	ND<50	0.025	NA		
Aroclor1221	ND<25		ND<1	0	ND<10	ND<50	0.025	NA		
Aroclor1232	ND<25		ND <i< td=""><td>0</td><td>ND<10</td><td>ND<50</td><td>0.025</td><td>NA</td></i<>	0	ND<10	ND<50	0.025	NA		
Aroclor1242	ND<	ND<25 ND-		0	ND<10	ND<50	0.025	NA		
Aroclor1248	ND<	0<25 ND<		0	ND<10	ND<50	0.025	NA		
Arocior1254	54	4 38			18	190	0.025	NA		
Aroclor1260	ND<	:25	ND<1	0	ND<10	ND<50	0.025	NA		
PCBs, total	54		38		18	190	0.025	NA		
	Surrogate Recoveries (%)									
%SS:	#	#		#	#					
Comments	h4	**************************************	h4	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	h4	h4	or to be recommended to the second			
* water samples in µg/L, soil/sludge/solid sa samples and all TCLP & SPLP extracts are			pe samples i	n μg/wij	pe, filter samples in	µg/filter, product/oil	/non-aqueous	liquid		
ND means not detected above the reporting	g limit; N/	/A means	analyte not	applica	ble to this analysis.					
surrogate diluted out of range or surrogate coelutes with another peak.										

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

RGA Environmental, Inc.

h4) sulfuric acid permanganate (EPA 3665) cleanup

McCampbell A		cai, In	<u>c.</u>	Web: www.mccam	Pass Road, Pittsburg, CA pbell.com E-mail: mair 877-252-9262 Fax: 92		om
EnviroNova		Client Pr	oject ID: #908		Date Sampled:	06/09/09	
1107 W G . 0 % D			Date Received:	06/09/09			
110 Landing Court, Suite B		Client Co	ontact: Pat Gar	rett	Date Extracted:	06/09/09	
Novato, CA 94945-4122		Client P.	O.:		Date Analyzed	06/11/09	
p	olvchlor	inated Bi	ohenvis (PCBs)	Aroclors by GC-	ECD*		
Extraction Method: SW3550C			ytical Method: SW8			Work Order:	0906292
Lab ID	090629	92 - 005A	0906292-006A				
Client ID	9081-	·CVM-8	9081-CVM-9			Reporting DF	
Matrix		S	S			1	-
DF	1	100	100			S	W
Compound			Con	centration	mg/kg	ug/L	
Aroclor1016	ND<50		ND<50			0.025	NA
Aroclor1221	ND<50		ND<50			0.025	NA
Aroclor1232	NI	O<50	ND<50			0.025	NA
Arocior1242	NI	O<50	ND<50			0.025	NA
Aroclor1248	NI	O<50	ND<50			0.025	NA
Aroclor1254	2	250	270			0.025	NA
Aroclor1260	NI	O<50	ND<50			0.025	NA
PCBs, total	250		270			0.025	NA
		Surr	ogate Recoveri	es (%)			
	_	#	#				
%SS:	h4					-	

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup

DHS ELAP Certification 1644





QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 43734

WorkOrder 0906292

EPA Method SW8082	Extraction SW3550C						thod SW8082 Extraction SW3550C Spiked								Spiked Sar	nple ID	: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%))						
, many to	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	RPD	LCS/LCSD	RPD						
Aroclori 260	N/A	0.075	N/A	N/A	N/A	100	103	2.38	N/A	N/A	70 - 130	20						
%SS:	N/A	0.050	N/A	N/A	N/A	88	101	13,7	N/A	N/A	70 - 130	20						

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 43734 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0906292-001A	06/09/09	06/09/09	06/11/09 6:57 PM	0906292-002A	06/09/09	06/09/09	06/11/09 7:52 PM
0906292-003A	06/09/09	06/09/09	06/11/09 8:47 PM	0906292-004A	06/09/09	06/09/09	06/11/09 12:58 PM
0906292-005A	06/09/09	06/09/09	06/11/09 4:10 PM	0906292-006A	06/09/09	06/09/09	06/11/09 5:05 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate,

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample dijuted due to high matrix or analyte content.

DHS ELAP Certification 1644

A QA/QC Officer

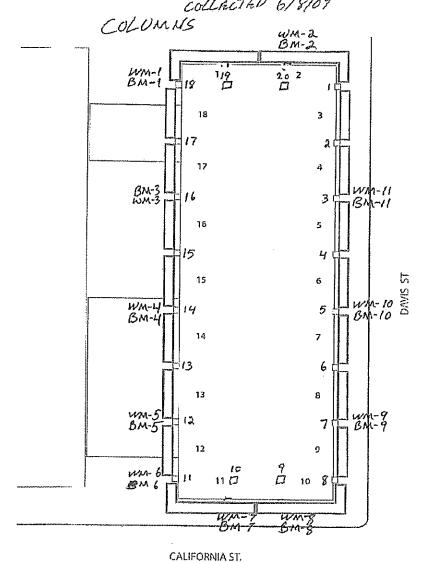
RGA Environmental, Inc.

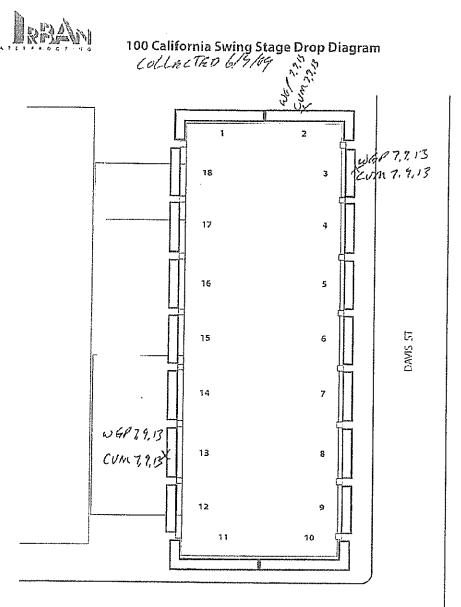
Page 167 of 177

07.13.2010



100 California Swing Stage Drop Diagram Collacted 6/8/09





CALIFORNIA ST.

Attachment G

Electronic Code of Federal Regulations

Home Page > Executive Branch > Code of Federal Regulations > Electronic Code of Federal Regulations



e-CFR Data is current as of September 17, 2009

Title 40: Protection of Environment

PART 761—POLYCHLORINATED BIPHENYLS (PCBs) MANUFACTURING, PROCESSING, DISTRIBUTION IN COMMERCE, AND USE PROHIBITIONS Subpart D—Storage and Disposal

Browse Previous | Browse Next

§ 761.61 PCB remediation waste.

This section provides cleanup and disposal options for PCB remediation waste. Any person cleaning up and disposing of PCBs managed under this section shall do so based on the concentration at which the PCBs are found. This section does not prohibit any person from implementing temporary emergency measures to prevent, treat, or contain further releases or mitigate migration to the environment of PCBs or PCB remediation waste.

- (a) Self-implementing on-site cleanup and disposal of PCB remediation waste. EPA designed the self-implementing procedure for a general, moderately-sized site where there should be low residual environmental impact from remedial activities. The procedure may be less practical for larger or environmentally diverse sites. For these other sites, the self-implementing procedure still applies, but an EPA Regional Administrator may authorize more practical procedures through paragraph (c) of this section. Any person may conduct self-implementing cleanup and disposal of PCB remediation waste in accordance with the following requirements without prior written approval from EPA.
- (1) Applicability. (i) The self-implementing procedures may not be used to clean up:
- (A) Surface or ground waters.
- (B) Sediments in marine and freshwater ecosystems.
- (C) Sewers or sewage treatment systems.
- (D) Any private or public drinking water sources or distribution systems.
- (E) Grazing lands.
- (F) Vegetable gardens.
- (ii) The self-implementing cleanup provisions shall not be binding upon cleanups conducted under other authorities, including but not limited to, actions conducted under section 104 or section 106 of CERCLA, or section 3004(u) and (v) or section 3008(h) of RCRA.
- (2) Site characterization. Any person conducting self-implementing cleanup of PCB remediation waste must characterize the site adequately to be able to provide the information required by paragraph (a)(3) of this section. Subpart N of this part provides a method for collecting new site characterization data or for assessing the sufficiency of existing site characterization data.
- (3) Notification and certification. (i) At least 30 days prior to the date that the cleanup of a site begins, the person in charge of the cleanup or the owner of the property where the PCB remediation waste is

located shall notify, in writing, the EPA Regional Administrator, the Director of the State or Tribal environmental protection agency, and the Director of the county or local environmental protection agency where the cleanup will be conducted. The notice shall include:

- (A) The nature of the contamination, including kinds of materials contaminated.
- (B) A summary of the procedures used to sample contaminated and adjacent areas and a table or cleanup site map showing PCB concentrations measured in all pre-cleanup characterization samples. The summary must include sample collection and analysis dates. The EPA Regional Administrator may require more detailed information including, but not limited to, additional characterization sampling or all sample identification numbers from all previous characterization activities at the cleanup site.
- (C) The location and extent of the identified contaminated area, including topographic maps with sample collection sites cross referenced to the sample identification numbers in the data summary from paragraph (a)(3)(i)(B) of this section.
- (D) A cleanup plan for the site, including schedule, disposal technology, and approach. This plan should contain options and contingencies to be used if unanticipated higher concentrations or wider distributions of PCB remediation waste are found or other obstacles force changes in the cleanup approach.
- (E) A written certification, signed by the owner of the property where the cleanup site is located and the party conducting the cleanup, that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the location designated in the certificate, and are available for EPA inspection. Persons using alternate methods for chemical extraction and chemical analysis for site characterization must include in the certificate a statement that such a method will be used and that a comparison study which meets or exceeds the requirements of subpart Q of this part, and for which records are on file, has been completed prior to verification sampling.
- (ii) Within 30 calendar days of receiving the notification, the EPA Regional Administrator will respond in writing approving of the self-implementing cleanup, disapproving of the self-implementing cleanup, or requiring additional information. If the EPA Regional Administrator does not respond within 30 calendar days of receiving the notice, the person submitting the notification may assume that it is complete and acceptable and proceed with the cleanup according to the information the person provided to the EPA Regional Administrator. Once cleanup is underway, the person conducting the cleanup must provide any proposed changes from the notification to the EPA Regional Administrator in writing no less than 14 calendar days prior to the proposed implementation of the change. The EPA Regional Administrator will determine in his or her discretion whether to accept the change, and will respond to the change notification verbally within 7 calendar days and in writing within 14 calendar days of receiving it. If the EPA Regional Administrator does not respond verbally within 7 calendar days and in writing within 14 calendar days of receiving the change notice, the person who submitted it may deem it complete and acceptable and proceed with the cleanup according to the information in the change notice provided to the EPA Regional Administrator.
- (iii) Any person conducting a cleanup activity may obtain a waiver of the 30-day notification requirement, if they receive a separate waiver, in writing, from each of the agencies they are required to notify under this section. The person must retain the original written waiver as required in paragraph (a)(9) of this section.
- (4) Cleanup levels. For purposes of cleaning, decontaminating, or removing PCB remediation waste under this section, there are four general waste categories: bulk PCB remediation waste, non-porous surfaces, porous surfaces, and liquids. Cleanup levels are based on the kind of material and the potential exposure to PCBs left after cleanup is completed.
- (i) Bulk PCB remediation waste. Bulk PCB remediation waste includes, but is not limited to, the following non-liquid PCB remediation waste: soil, sediments, dredged materials, muds, PCB sewage sludge, and industrial sludge.
- (A) High occupancy areas. The cleanup level for bulk PCB remediation waste in high occupancy areas is ≤1 ppm without further conditions. High occupancy areas where bulk PCB remediation waste remains at concentrations >1 ppm and ≤10 ppm shall be covered with a cap meeting the requirements of paragraphs (a)(7) and (a)(8) of this section.

- (B) Low occupancy areas. (1) The cleanup level for bulk PCB remediation waste in low occupancy areas is ≤25 ppm unless otherwise specified in this paragraph.
- (2) Bulk PCB remediation wastes may remain at a cleanup site at concentrations >25 ppm and ≤50 ppm if the site is secured by a fence and marked with a sign including the M_I mark.
- (3) Bulk PCB remediation wastes may remain at a cleanup site at concentrations >25 ppm and ≤100 ppm if the site is covered with a cap meeting the requirements of paragraphs (a)(7) and (a)(8) of this section.
- (ii) Non-porous surfaces. In high occupancy areas, the surface PCB cleanup standard is ≤ 10 μg/100 cm² of surface area. In low occupancy areas, the surface cleanup standard is <100 μg/100 cm² of surface area. Select sampling locations in accordance with subpart P of this part or a sampling plan approved under paragraph (c) of this section.
- (iii) Porous surfaces. In both high and low occupancy areas, any person disposing of porous surfaces must do so based on the levels in paragraph (a)(4)(i) of this section. Porous surfaces may be cleaned up for use in accordance with §761.79(b)(4) or §761.30(p).
- (iv) Liquids. In both high and low occupancy areas, cleanup levels are the concentrations specified in §761.79(b)(1) and (b)(2).
- (v) Change in the land use for a cleanup site. Where there is an actual or proposed change in use of an area cleaned up to the levels of a low occupancy area, and the exposure of people or animal life in or at that area could reasonably be expected to increase, resulting in a change in status from a low occupancy area to a high occupancy area, the owner of the area shall clean up the area in accordance with the high occupancy area cleanup levels in paragraphs (a)(4)(i) through (a)(4)(iv) of this section.
- (vi) The EPA Regional Administrator, as part of his or her response to a notification submitted in accordance with §761.61(a)(3) of this part, may require cleanup of the site, or portions of it, to more stringent cleanup levels than are otherwise required in this section, based on the proximity to areas such as residential dwellings, hospitals, schools, nursing homes, playgrounds, parks, day care centers, endangered species habitats, estuaries, wetlands, national parks, national wildlife refuges, commercial fisheries, and sport fisheries.
- (5) Site cleanup. In addition to the options set out in this paragraph, PCB disposal technologies approved under §§761.60 and 761.70 are acceptable for on-site self-implementing PCB remediation waste disposal within the confines of the operating conditions of the respective approvals.
- (i) $Bulk\ PCB\ remediation\ waste$. Any person cleaning up bulk PCB remediation waste shall do so to the levels in paragraph (a)(4)(i) of this section.
- (A) Any person cleaning up bulk PCB remediation waste on-site using a soil washing process may do so without EPA approval, subject to all of the following:
- (1) A non-chlorinated solvent is used.
- (2) The process occurs at ambient temperature.
- (3) The process is not exothermic.
- (4) The process uses no external heat.
- (5) The process has secondary containment to prevent any solvent from being released to the underlying or surrounding soils or surface waters.
- (6) Solvent disposal, recovery, and/or reuse is in accordance with relevant provisions of approvals issued according to paragraphs (b)(1) or (c) of this section or applicable paragraphs of §761.79.
- (B) Bulk PCB remediation waste may be sent off-site for decontamination or disposal in accordance with this paragraph, provided the waste is either dewatered on-site or transported off-site in containers meeting the requirements of the DOT Hazardous Materials Regulations (HMR) at 49 CFR parts 171

through 180.

- (1) Removed water shall be disposed of according to paragraph (b)(1) of this section.
- (2) Any person disposing off-site of dewatered bulk PCB remediation waste shall do so as follows:
- (i) Unless sampled and analyzed for disposal according to the procedures set out in §§761.283, 761.286, and 761.292, the bulk PCB remediation waste shall be assumed to contain ≥50 ppm PCBs.
- (ii) Bulk PCB remediation wastes with a PCB concentration of <50 ppm shall be disposed of in accordance with paragraph (a)(5)(v)(A) of this section.
- (iii) Bulk PCB remediation wastes with a PCB concentration ≥50 ppm shall be disposed of in a hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA, or a PCB disposal facility approved under this part.
- (iv) The generator must provide written notice, including the quantity to be shipped and highest concentration of PCBs (using extraction EPA Method 3500B/3540C or Method 3500B/3550B followed by chemical analysis using EPA Method 8082 in SW-846 or methods validated under subpart Q of this part) at least 15 days before the first shipment of bulk PCB remediation waste from each cleanup site by the generator, to each off-site facility where the waste is destined for an area not subject to a TSCA PCB Disposal Approval.
- (3) Any person may decontaminate bulk PCB remediation waste in accordance with §761.79 and return the waste to the cleanup site for disposal as long as the cleanup standards of paragraph (a)(4) of this section are met.
- (ii) Non-porous surfaces. PCB remediation waste non-porous surfaces shall be cleaned on-site or offsite for disposal on-site, disposal off-site, or use, as follows:
- (A) For on-site disposal, non-porous surfaces shall be cleaned on-site or off-site to the levels in paragraph (a)(4)(ii) of this section using:
- (1) Procedures approved under §761.79.
- (2) Technologies approved under §761.60(e).
- (3) Procedures or technologies approved under paragraph (c) of this section.
- (B) For off-site disposal, non-porous surfaces:
- (1) Having surface concentrations <100 μ g/100 cm² shall be disposed of in accordance with paragraph (a)(5)(i)(B)(2)(ii) of this section. Metal surfaces may be thermally decontaminated in accordance with §761.79(c)(6)(i).
- (2) Having surface concentrations ≥100 μg/100 cm² shall be disposed of in accordance with paragraph (a)(5)(i)(B)(2)(iii) of this section. Metal surfaces may be thermally decontaminated in accordance with §761.79(c)(6)(ii).
- (C) For use, non-porous surfaces shall be decontaminated on-site or off-site to the standards specified in §761.79(b)(3) or in accordance with §761.79(c).
- (iii) Porous surfaces. Porous surfaces shall be disposed on-site or off-site as bulk PCB remediation waste according to paragraph (a)(5)(i) of this section or decontaminated for use according to §761.79(b) (4), as applicable.
- (iv) Liquids. Any person disposing of liquid PCB remediation waste shall either:
- (A) Decontaminate the waste to the levels specified in §761.79(b)(1) or (b)(2).

- (B) Dispose of the waste in accordance with paragraph (b) of this section or an approval issued under paragraph (c) of this section.
- (v) Cleanup wastes. Any person generating the following wastes during and from the cleanup of PCB remediation waste shall dispose of or reuse them using one of the following methods:
- (A) Non-liquid cleaning materials and personal protective equipment waste at any concentration, including non-porous surfaces and other non-liquid materials such as rags, gloves, booties, other disposable personal protective equipment, and similar materials resulting from cleanup activities shall be either decontaminated in accordance with §761.79(b) or (c), or disposed of in one of the following facilities, without regard to the requirements of subparts J and K of this part:
- (1) A facility permitted, licensed, or registered by a State to manage municipal solid waste subject to part 258 of this chapter.
- (2) A facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to §§257.5 through 257.30 of this chapter, as applicable.
- (3) A hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.
- (4) A PCB disposal facility approved under this part.
- (B) Cleaning solvents, abrasives, and equipment may be reused after decontamination in accordance with §761.79.
- (6) Cleanup verification —(i) Sampling and analysis. Any person collecting and analyzing samples to verify the cleanup and on-site disposal of bulk PCB remediation wastes and porous surfaces must do so in accordance with subpart O of this part. Any person collecting and analyzing samples from non-porous surfaces must do so in accordance with subpart P of this part. Any person collecting and analyzing samples from liquids must do so in accordance with §761.269. Any person conducting interim sampling during PCB remediation waste cleanup to determine when to sample to verify that cleanup is complete, may use PCB field screening tests.
- (ii) Verification. (A) Where sample analysis results in a measurement of PCBs less than or equal to the levels specified in paragraph (a)(4) of this section, self-implementing cleanup is complete.
- (B) Where sample analysis results in a measurement of PCBs greater than the levels specified in paragraph (a)(4) of this section, self-implementing cleanup of the sampled PCB remediation waste is not complete. The owner or operator of the site must either dispose of the sampled PCB remediation waste, or reclean the waste represented by the sample and reinitiate sampling and analysis in accordance with paragraph (a)(6)(i) of this section.
- (7) Cap requirements. A cap means, when referring to on-site cleanup and disposal of PCB remediation waste, a uniform placement of concrete, asphalt, or similar material of minimum thickness spread over the area where remediation waste was removed or left in place in order to prevent or minimize human exposure, infiltration of water, and erosion. Any person designing and constructing a cap must do so in accordance with §264.310(a) of this chapter, and ensure that it complies with the permeability, sieve, liquid limit, and plasticity index parameters in §761.75(b)(1)(ii) through (b)(1)(v). A cap of compacted soil shall have a minimum thickness of 25 cm (10 inches). A concrete or asphalt cap shall have a minimum thickness of 15 cm (6 inches). A cap must be of sufficient strength to maintain its effectiveness and integrity during the use of the cap surface which is exposed to the environment. A cap shall not be contaminated at a level ≥1 ppm PCB per AroclorTM(or equivalent) or per congener. Repairs shall begin within 72 hours of discovery for any breaches which would impair the integrity of the cap.
- (8) Deed restrictions for caps, fences and low occupancy areas. When a cleanup activity conducted under this section includes the use of a fence or a cap, the owner of the site must maintain the fence or cap, in perpetuity. In addition, whenever a cap, or the procedures and requirements for a low occupancy area, is used, the owner of the site must meet the following conditions:
- (i) Within 60 days of completion of a cleanup activity under this section, the owner of the property shall:
- (A) Record, in accordance with State law, a notation on the deed to the property, or on some other

instrument which is normally examined during a title search, that will in perpetuity notify any potential purchaser of the property:

- (1) That the land has been used for PCB remediation waste disposal and is restricted to use as a low occupancy area as defined in §761.3.
- (2) Of the existence of the fence or cap and the requirement to maintain the fence or cap.
- (3) The applicable cleanup levels left at the site, inside the fence, and/or under the cap.
- (B) Submit a certification, signed by the owner, that he/she has recorded the notation specified in paragraph (a)(8)(i)(A) of this section to the EPA Regional Administrator.
- (ii) The owner of a site being cleaned up under this section may remove a fence or cap after conducting additional cleanup activities and achieving cleanup levels, specified in paragraph (a)(4) of this section, which do not require a cap or fence. The owner may remove the notice on the deed no earlier than 30 days after achieving the cleanup levels specified in this section which do not require a fence or cap.
- (9) Recordkeeping. For paragraphs (a)(3), (a)(4), and (a)(5) of this section, recordkeeping is required in accordance with §761.125(c)(5).
- (b) Performance-based disposal. (1) Any person disposing of liquid PCB remediation waste shall do so according to §761.60(a) or (e), or decontaminate it in accordance with §761.79.
- (2) Any person disposing of non-liquid PCB remediation waste shall do so by one of the following methods:
- (i) Dispose of it in a high temperature incinerator approved under §761.70(b), an alternate disposal method approved under §761.60(e), a chemical waste landfill approved under §761.75, or in a facility with a coordinated approval issued under §761.77.
- (ii) Decontaminate it in accordance with §761.79.
- (3) Any person may manage of dispose of material containing <50 ppm PCBs that has been dredged or excavated from waters of the United States:
- (i) In accordance with a permit that has been issued under section 404 of the Clean Water Act, or the equivalent of such a permit as provided for in regulations of the U.S. Army Corps of Engineers at 33 CFR part 320.
- (ii) In accordance with a permit issued by the U.S. Army Corps of Engineers under section 103 of the Marine Protection, Research, and Sanctuaries Act, or the equivalent of such a permit as provided for in regulations of the U.S. Army Corps of Engineers at 33 CFR part 320.
- (c) Risk-based disposal approval. (1) Any person wishing to sample, cleanup, or dispose of PCB remediation waste in a manner other than prescribed in paragraphs (a) or (b) of this section, or store PCB remediation waste in a manner other than prescribed in §761.65, must apply in writing to the Regional Administrator in the Region where the sampling, cleanup, disposal, or storage site is located, for sampling, cleanup, disposal, or storage occurring in a single EPA Region; or to the Director, Office of Resource Conservation and Recovery, for sampling, cleanup, disposal, or storage occurring in more than one EPA Region. Each application must include information described in the notification required by paragraph (a)(3) of this section. EPA may request other information that it believes necessary to evaluate the application. No person may conduct cleanup activities under this paragraph prior to obtaining written approval by EPA.
- (2) EPA will issue a written decision on each application for a risk-based method for PCB remediation wastes. EPA will approve such an application if it finds that the method will not pose an unreasonable risk of injury to health or the environment.

[63 FR 35448, June 29, 1998, as amended at 64 FR 33761, June 24, 1999; 72 FR 57239, Oct. 9, 2007; 74 FR 30232, June 25, 2009]

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